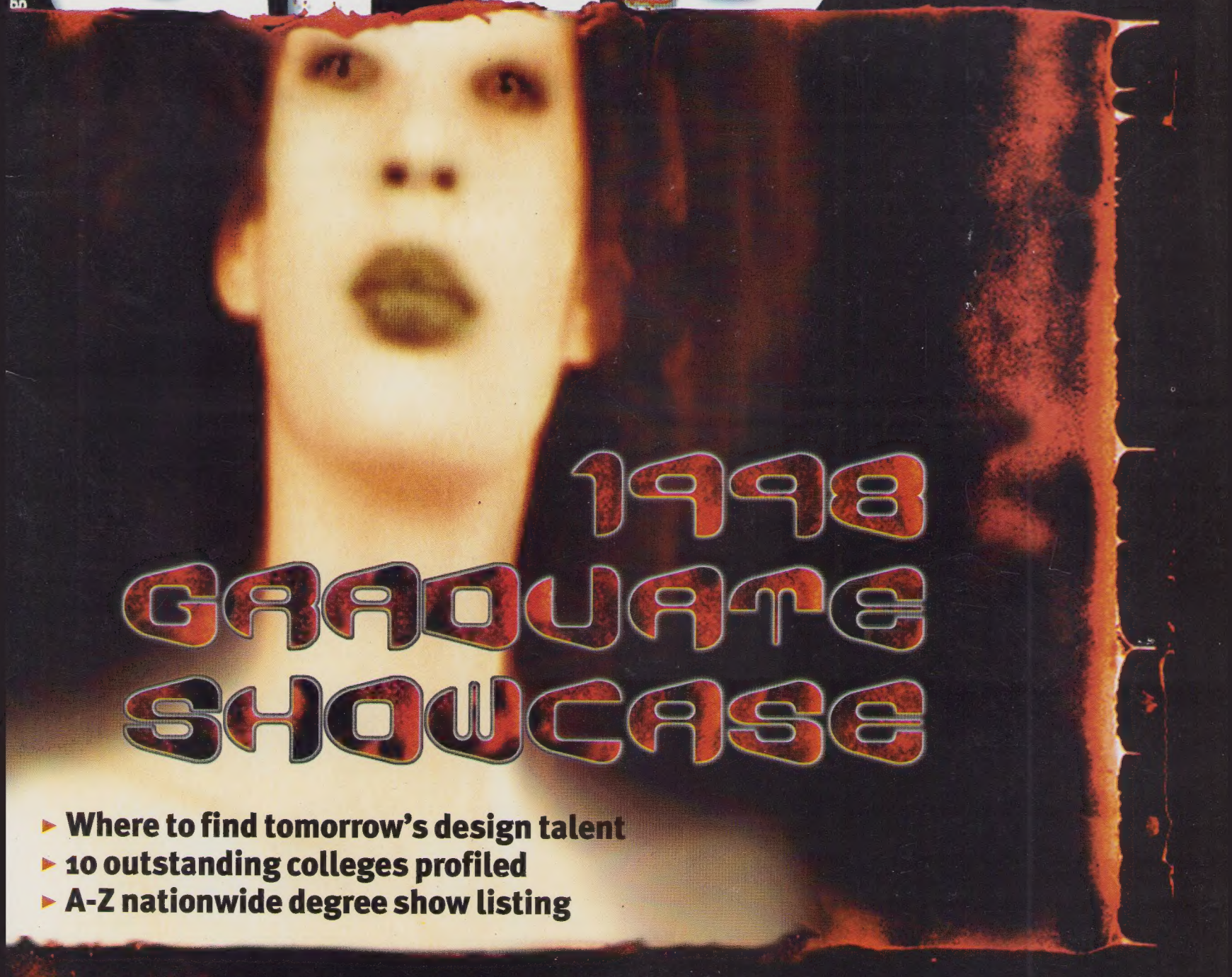
▸ image manipulation ▸ digital video ▸ 3D ▸ graphic design ▸ illustration ▸ multimedia ▸ web design ▸ new technology ▸

graduate showcase 1998

computer arts



1998 GRADUATE SHOWCASE

- Where to find tomorrow's design talent
- 10 outstanding colleges profiled
- A-Z nationwide degree show listing

Future PUBLISHING
Your Guarantee Of Value

Welcome to... Computer Arts

In case you're new to *Computer Arts*, the best-selling magazine for creatives, here's what we're all about...

Computer Arts is the magazine for everyone interested in combining art, design and technology. Our features and tutorials show you the latest developments across the world of design – and teach you how you can employ them. The topics we cover include not just graphic design, image-manipulation and print work, but 3D modelling, rendering and animation, typography, digital video editing, designing content and sites for the Internet, and authoring multimedia work.

Every month we walk you through creating powerful images in all sorts of styles, using a wide variety of software packages, and every new skill and technique that emerges – we even supply you with tips guides to the latest major software releases. Each issue of *Computer Arts* comes complete with a Mac- and PC-compatible CD, full of software demos, all the files you'll need to complete the tutorials in the magazine, plus free images and movies, and other useful resources.

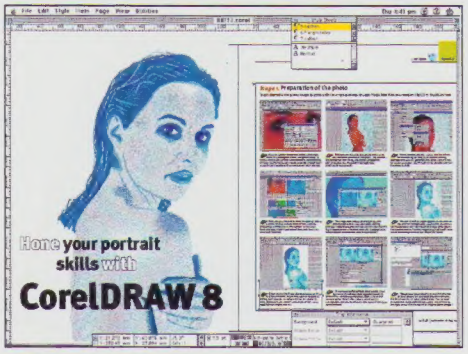
Computer Arts is also a great showcase for images and artwork. It is used both as a contact reference for hiring designers and illustrators, and as a source of inspiration to artists the world over. As well as special collections of artwork such as this Graduate Showcase, every month you'll find profiles of artists and designers who explain what they do, how and why. ca

computer arts
The art, design and technology magazine for Mac and PC
Rushes profiled
Find out how post-production works: the talent and technology behind the latest ads
New ways to DRAW
Make film-star looks with our CorelDRAW tutorial – p22
Premiere 5
What's new in Adobe's digital video editor?
10 scanners
Flatbed scanners: best under £500 and the best high-end
Photoshop skills
Optimise your images effectively with our re-sizing tips
Dreamweaver gallery
Create an on-line gallery with Macromedia's new Web software
computer arts interactive
disc 17 april 1998
CorelDRAW 8
Fully working software for 30 days (PC)
StrataVision 3D 4
Full software – it's yours to keep (Mac)
CD-ROM for Mac and PC
Cover tutorial (dual)
Use Corel's new vector package to create our cover image
– DRAW! 6 (Mac), DRAW 8 (PC) demos, files & expertise supplied
Web-authoring tutorial (dual)
Site-building walkthrough and 30-day fully working Dreamweaver software
3D tutorial (Mac)
Model and render in StrataVision 3D 4.0
– full software plus a six-page walkthrough
Demos: 3D Webmaster (PC) • Piranesi (PC) • Photoshop 4.0.1 (dual) • Test Strip 2 (Mac) • PhotoImpact 4 (PC) • Extensis Mask Pro 1 (PC) • Viscape Evaluation (PC)

You can get *Computer Arts* magazine from the shelves of all good newsagents, or on your doormat by subscription.

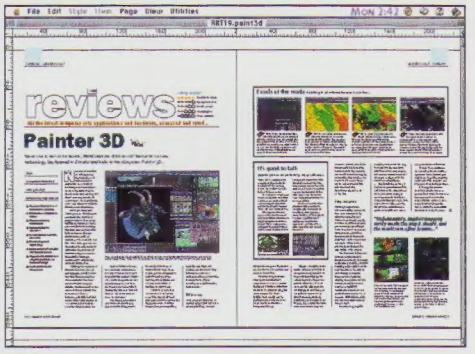
Either way it comes complete with a Mac-&-PC CD-ROM packed full with the latest software demos, movies, images and tutorial files.

Computer Arts, stage by stage How we make *Computer Arts* magazine work for you...



1 **Every month we bring you at least three major tutorials, walking you through the creation of beautiful and striking images, using the latest creative software and innovative techniques. Follow each tutorial with software demos, plus all the appropriate saved elements on the accompanying CD.**

2 **Next, we sprinkle you with inspiration... In each issue of *Computer Arts* you'll enjoy profiles of professionals in the world of computer creativity: multimedia and Web authors, typographers, 3D or post-production specialists, or, like Stylorouge here, celebrated graphic designers to the music industry.**



3 **Techniques and inspiration are the basis of any design, but to keep your output competitive in today's market you must keep abreast of cutting-edge hardware and software. Every month *Computer Arts* brings you at least 20 pages of no-punches-pulled reviews, plus news on the latest developments.**

Image by **Julie Rossiter.** See page 16.

1998 Graduate Showcase

Why should you be reading the *Computer Arts* 1998 Graduate Showcase? Perhaps you're a professional designer and you're considering recruiting some new members of staff or freelance designers.

Looking at this year's showcase, you'll be impressed at the range and level of skills on offer. You might begin to question whether your style is as up-to-date as you thought it was. Maybe then you'll feel you ought to invite a select few in for interview.

If you're a student, you really should know what 'the competition' is up to – after all, these could be the very people who land the jobs you're applying for. Now you know what your peers' standard is like across the country. Maybe you're just starting out, and are wondering which college courses cut the mustard... these are some that do.

Or perhaps you're an established artist, browsing through the youngsters' work for interest. You might just find the inspiration you need in their images.

Wherever you're coming from, there are two things we all agree on – that the output from this year's courses is higher than ever, and that each graduate designer has his or her own way of seeing and representing the world. Either way, let's get stuck in... ca

contents

issue 20 graduate showcase

06 City of Bristol College

"Dedicated to helping everyone achieve their potential," Bristol offers courses from foundation to higher education...

08 Camarthenshire College

"Students use either traditional or digital media." This photography course fuses conventional photography with digital imaging...

10 De Montfort University, Leicester

De Montfort's Multimedia Design course is designed to "impose no boundaries on the term 'multimedia'"

12 Dewsbury College

Dewsbury's Moving Image Design course places emphasis on "the design elements of short-burst informational packages"

14 The Robert Gordon University

A multi-disciplinary approach and worldwide links mean that the school "places a premium on being internationally-minded"

16 Salisbury College

Salisbury is "breaking new ground in professional film, TV and photographic education..."

18 University of Sunderland

"The emphasis is always on a creative outcome." At Sunderland, creativity is paramount...

20 Surrey Institute of Art & Design

Close links with industry, and practical business skills prepare students for the commercial world...

22 Swansea Institute

"Without communication there is no culture." Swansea Institute offers a hands-on approach...

24 University of Teeside

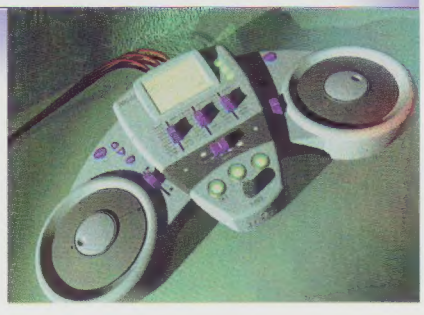
Teeside offers courses in conventional design and the images used in multimedia and video games...

26 End-of-year design show listing

Where to find this year's design students showing off their best work: Anglia to Aberdeen, it's all here

30 Subscribe to Computer Arts

Your chance to make sure you get every copy of *Computer Arts* magazine – and save cash!

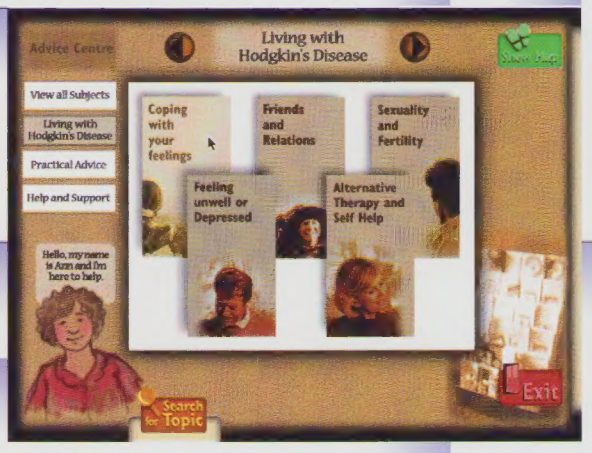


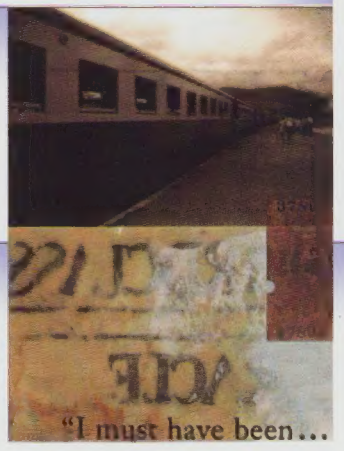
Graduate Showcase editorial

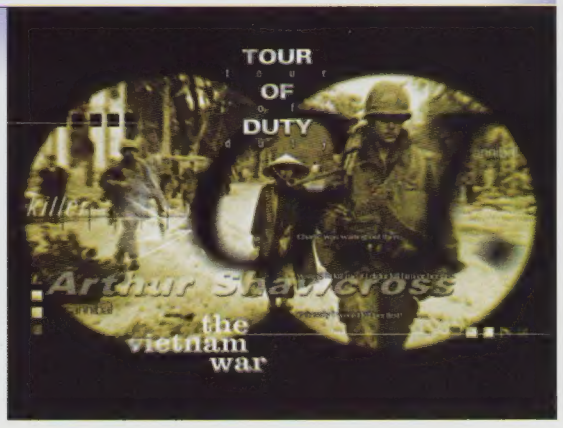
Robin Abbott editor/senior art editor
Josse Bilson associate editor
Clare Lydon production editor
Phil Cheesbrough deputy art editor
Rod Lawton writer
Clare Johnson sub-editor
Julie Rossiter cover image
Freddie Wasem coordinator
Alex Richards sales executive
Rebecca Stables print coordinator
Ginny Baldwin production coordinator
Jon Bickley publisher

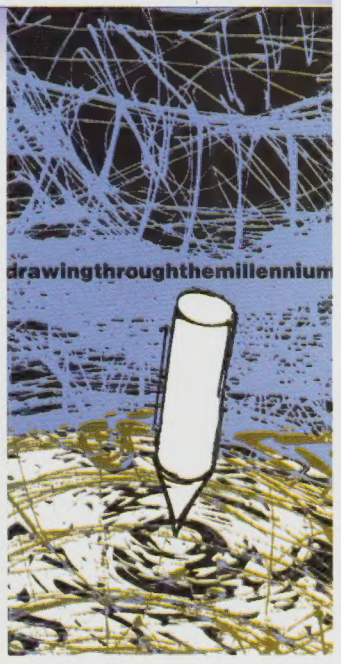
Typography: MetaPlus family and Franklin Gothic family from Adobe.
eggbond from light**weight**.

All rights reserved. All trademarks and copyrights in this issue are recognised, and are acknowledged where possible.
© 1998 Future Publishing Ltd.









(*above*) Here, Steve Kington has illustrated the history of telescopes.

(*right*) Steve's depiction of a character from the video game *Tekken 3*.

CITY OF BRISTOL COLLEGE

"Dedicated to helping everyone achieve their potential," the City of Bristol College offers a range of courses from foundation to higher education...

The City of Bristol College was formed in 1996 by the merger of Brunel College of Art and Technology and South Bristol College. It caters for all students over the age of 16, regardless of their educational background, and is "dedicated to helping everyone achieve their potential".

The Faculty of Art, Design, Media & Performing Arts offers a range of programmes at national framework levels 2 (intermediate), 3 (advanced) and 4 (higher eduction). Students are admitted to programmes of study at the appropriate level based on prior experience and learning. The structure of the programmes means that students can progress from foundation level to higher education.

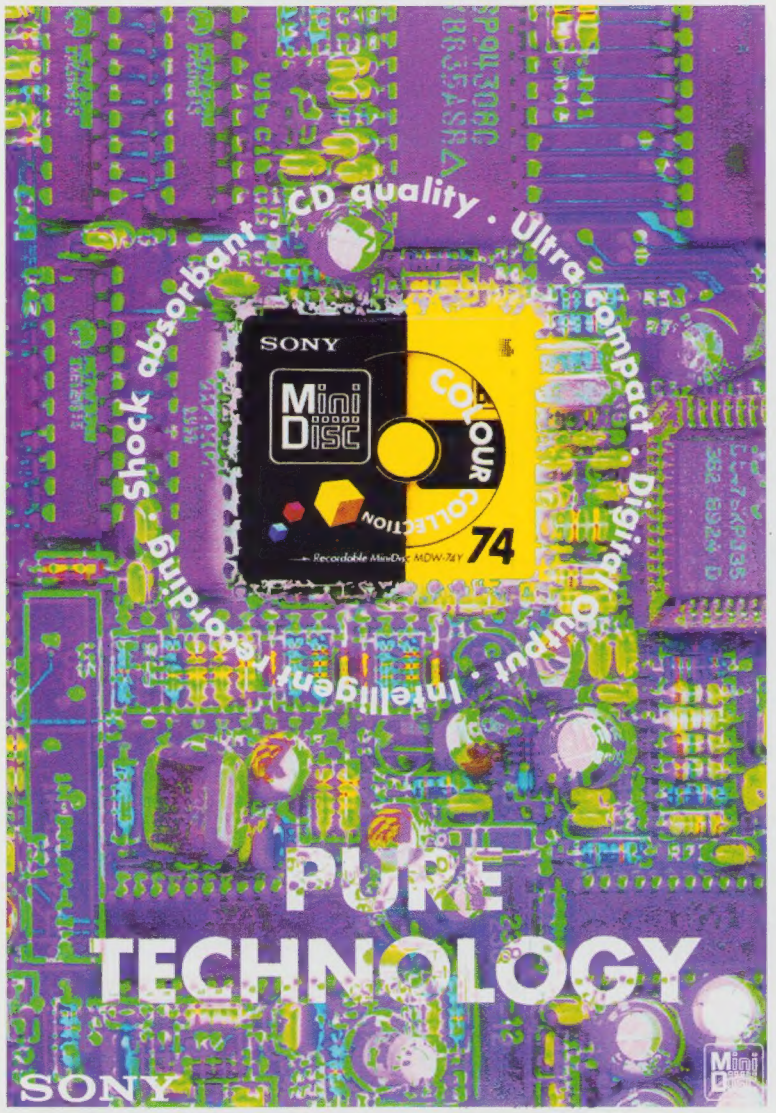
The broad-based Art & Design programme places emphasis on a keen interest in the subject area the student is involved in and a personal portfolio, requiring just a grade 'C' or better at GCSE Art or Design & Technology for entry. There is then the opportunity for successful students to progress through to a level 4 BTEC HNC in one of a range of subjects.

The Faculty offers a wide range of subjects including art and design, graphic design, illustration, spatial design, fashion, photography, media and music technology.

There's provision, too, for those who are unable to attend full-time education – most of the full-time programmes have mirror curriculums for part-time study. "All programmes are modular, and many of the modules encourage interchange between programmes." ca

Information

The Faculty's end-of-year show for final year students will be at The Watershed, Bristol, 7-8 July. For more information call t 0117 904 5000.

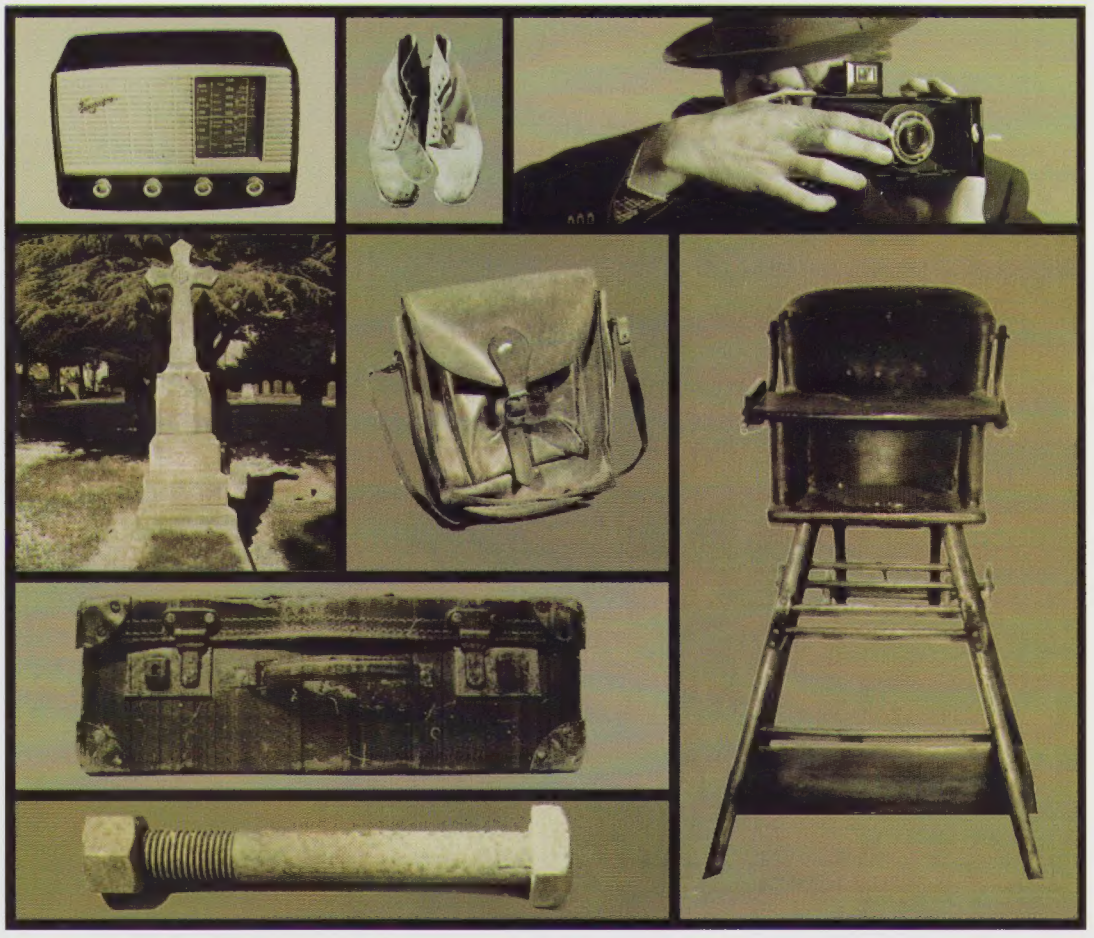


(*above left*) Matthew Pass' Minidisc promotion project was designed for a 16-25 year-old target audience, and was created in *Photoshop*.

(*above*) Marc Henley's postage stamps were produced for the RSA Student Design awards, and created using a combination of scanned images and *Photoshop*'s Paintbrush and Airbrush tools.

(*left*) Ian Forrester's version of a Milton Keynes dance arena was created using *Persistence Of Vision Raytracer*.

Matthew Oland used his own photographs, manipulated in *Photoshop* and *Illustrator*, to produce this evocative montage for a CD inlay.



CAMARTHENSHIRE COLLEGE

"Students are given the option to answer set briefs using either traditional or digital media." Camarthenshire College's HND Photography course fuses conventional photography with digital imaging...

As digital imaging and manipulation has become a standard pre-press technique in print publishing, Camarthenshire College now offers an HND Photography course which embraces both conventional photographic techniques and digital manipulation.

The work shown here was produced by students taking the electronic imaging option on the course, which is just one of many offered by the Faculty of Creative & Performing Arts.

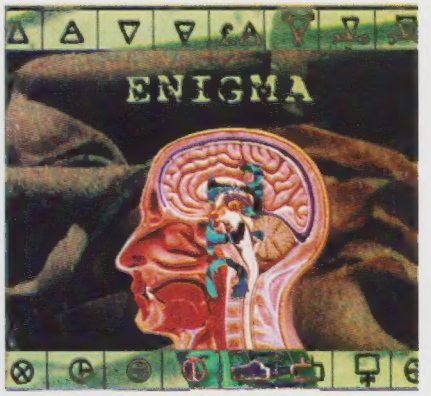
The HND Photography course at Camarthenshire does not distinguish between conventional photographic methods and new digital techniques, and teaches the skills needed for both. Students are given the option to answer set briefs using traditional media, digital media or a combination of both – it's up to them. Some of the images reproduced here are the result of a brief for a CD single inlay.

Emphasis is placed on creativity and analysis. Students are encouraged to conduct research by appraising the work of contemporary practitioners as a critique prior to making proposals for their own designs.

"We see ever greater digital work being created and manipulated as part of the design process by photo-media students. They will increasingly use new technology to produce a broad portfolio of media to meet the demands of an image-hungry industry." To match this demand for digital imagery, Camarthenshire College is planning a new course in multimedia, due to start in September 1998. ca

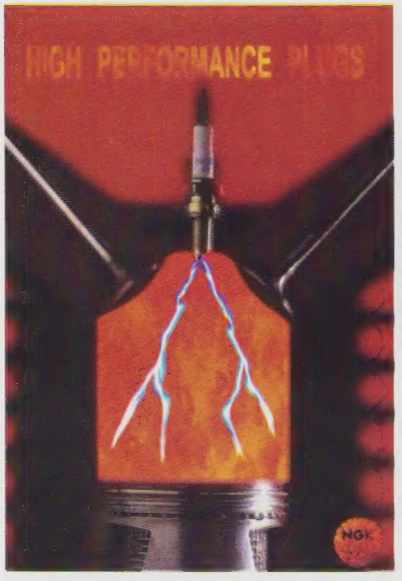
Information

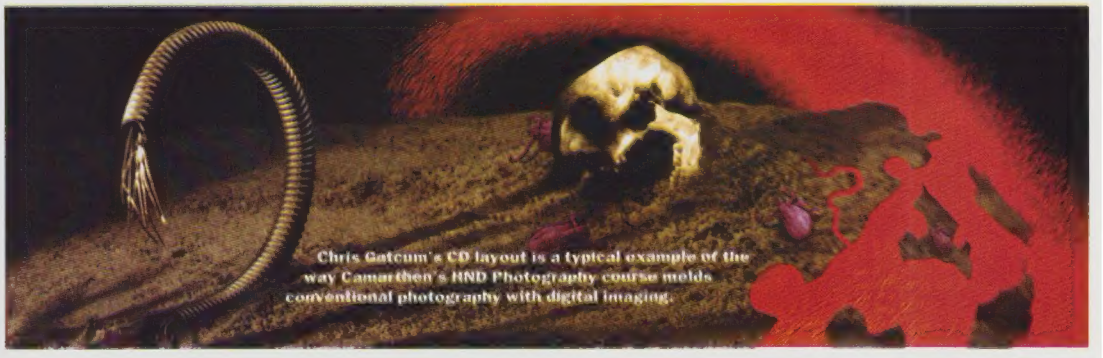
Students' digital work can be seen at the final-year show at Camarthenshire College, Job's Well Road, Camarthen, 15-18 June 10am-7pm, t 01554 748 000

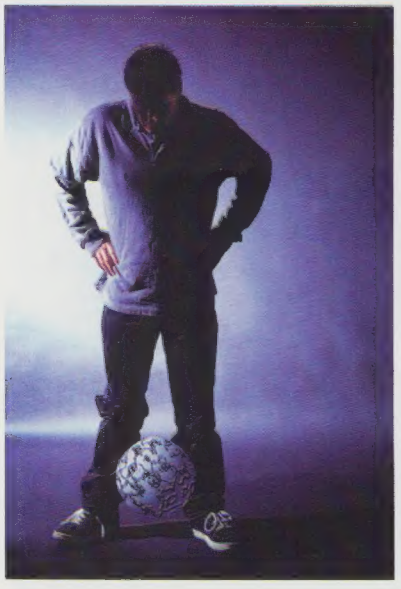


(*far left*) **This is Damian Adam's version of the Enigma CD inlay brief, again constructed using his own photographs, composed and manipulated in *Photoshop*.**

(*left*) **Guy Heyden's idea for the Enigma brief makes heavier use of *Photoshop*'s compositing tools and symbolic imagery.**



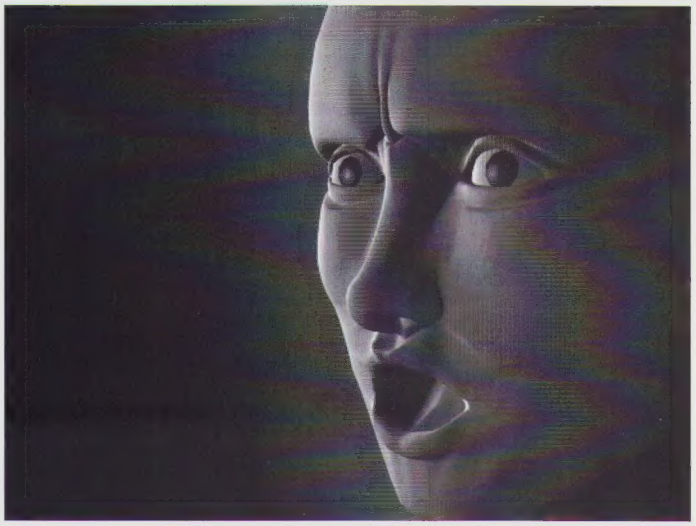

Chris Gatcum's CD layout is a typical example of the way Camarthen's HND Photography course melds conventional photography with digital imaging.



(*above-centre*) **Chris Gatcum's spark plug simulation combines photographic images with *Photoshop* work.**

(*above*) **A personal portrait by David Kirkpatrick. Photographic techniques are combined with objects created in *Bryce*.**

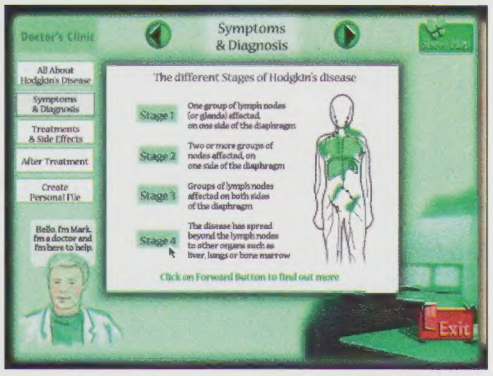
Chris Forster took the photographs used in his Enigma brief, then manipulated them in *Photoshop* to create his CD design.



(*right*) Marcel Simons' experimental project aims to reproduce human facial expressions and the subtlety of the transitions between these expressions.

(*below*) Jane Haddock's 'Hodgkin's Disease Information Centre' uses the visual metaphor of rooms in a building to advise and support sufferers.

Patient Selection
Point at one of the patients below and a brief summary of their experience of Hodgkin's disease will be shown.
Click on the patient to read their case study.
You are HERE
Exit


Symptoms & Diagnosis
All About Hodgkin's Disease
Symptoms & Diagnosis
Treatments & Side Effects
After Treatment
Create Personal Pie
Hello, I'm Mark, I'm a doctor and I'm here to help.
The different Stages of Hodgkin's disease
Stage 1
One group of lymph nodes (or glands) affected, on one side of the diaphragm
Stage 2
Two or more groups of nodes affected, on one side of the diaphragm
Stage 3
Groups of lymph nodes affected on both sides of the diaphragm
Stage 4
The disease has spread beyond the lymph nodes to other organs such as liver, lungs or bone marrow
Click on Forward Button to find out more
Exit

DE MONTFORT UNIVERSITY

"The programme imposes no boundaries on the term 'multimedia'."

De Montfort's Multimedia Design course is focussed sharply on multimedia as a subject in itself, not just an option...

The images printed here are from multimedia projects designed by students on De Montfort University's BA Multimedia Design and one-year MA Design & Manufacture courses.

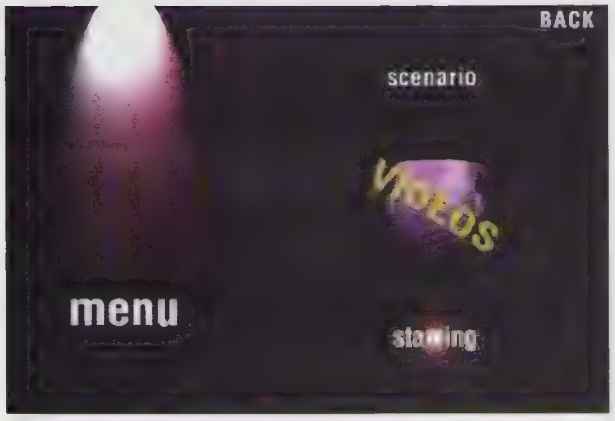
"The main focus of the programme is design for communication media. The programme imposes no boundaries on the term 'multimedia'. There is a multi-disciplinary approach to the subjects studied, with a particular bias towards development of ideas within electronic communication."

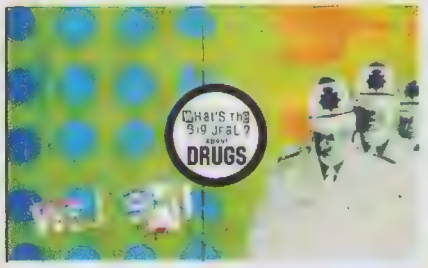
The undergraduate Multimedia Design course focuses specifically on multimedia disciplines (rather than simply including multimedia as an option in a broader design course). This means that students are taught two-dimensional design (visual structures, layout, colour, typography, photography), as well as "the dimensions of" time and sound (video imaging, animation, interactive design, sequencing).

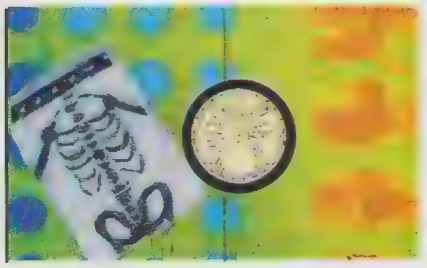
From there, the students at De Montfort can develop individual pathways according to their own personal aims. Finally, they develop project and assignment briefs chosen from the RSA and D&AD national student competitions, or generated by industry contacts and tutors. Links with industry are encouraged, with final-year students working with well-known companies such as the BBC, Shepperton Studios, Anti-Rom and Central TV. There are visiting lecturers too, and past speakers have included specialists from Channel 5 and Paramount TV, and from videogames developers, Psygnosis. ca

Information

De Montfort University's 'Design 98' end-of-year show takes place at the University Exhibition Centre, 25-28 June. Call t 0116 255 1551.

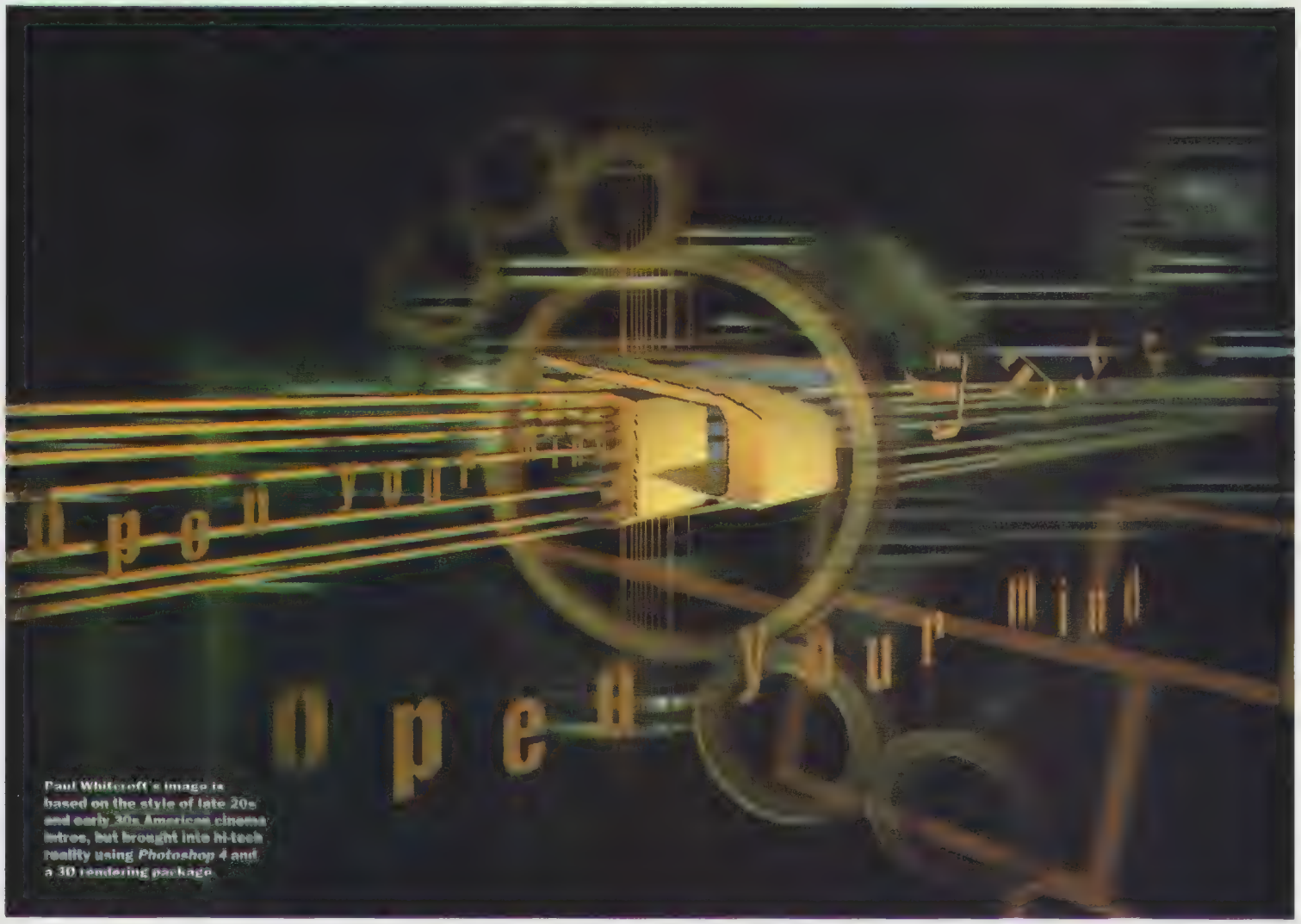






(*above*) Matt McKinney's multimedia project is designed to assist with drug education for 11-14 year-olds. It's a non-linear production which requires user interaction, hence "encouraging them to take control of their experience".

(*left*) These stills are taken from Brendan Morgan's designs for a game called *Amnesia Reoccur*. Early stills were developed in *Photoshop* and the final sequence constructed in *Director 5*.



Paul Whitecroft's image is based on the style of late 20s and early 30s American cinema intros, but brought into hi-tech reality using *Photoshop 4* and a 3D rendering package

DEWSBURY COLLEGE

Dewsbury College offers three Visual Communications courses, including Moving Image Design, *"with emphasis on the design elements of short-burst informational packages, such as programme signatures and TV channel idents"*

Dewsbury College's Batley School of Art runs three degree programmes in its Visual Communications area. Its new BA (Hons) Photography course replaces the previous BTEC Higher National Diploma course, and "supports the traditional values and practices in photography, while embracing new technology and electronic imaging".

Meanwhile, another course, BA (Hons) Creative Imaging, "aims to develop highly innovative and creative designers and photographers." There's a strong focus on digital imaging, specifically within the advertising and marketing fields. The course includes advertising/marketing concepts and strategies, and features sponsored projects as well as industrial placement to give the students some vocational experience.

The third course at Dewsbury, due to start in October 1998, is BA (Hons) Moving Image Design. Believed to be the first of its kind in the UK, it is "directed primarily at the broadcast media, with the emphasis on the design elements of short-burst informational packages, such as programme signatures and TV channel idents."

Moving images demand narrative as well as 2D design, and the course will offer a range of relevant modules including two and three-dimensional design, animated graphics, typography, real-time video, sound and creative editing. "The evolution of digital imaging systems has brought about massive potential for the manipulation and processing of imagery in all media that conventionally deal with pictorial information." ca

Information

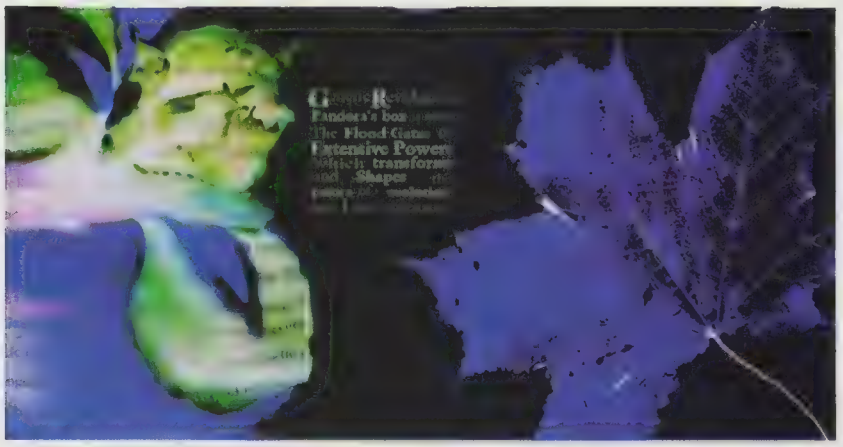
The degree show will be at the Wheelwright Art & Design Centre, Halifax Road, Dewsbury, West Yorkshire. Dates are yet to be announced – call 01924 451 649

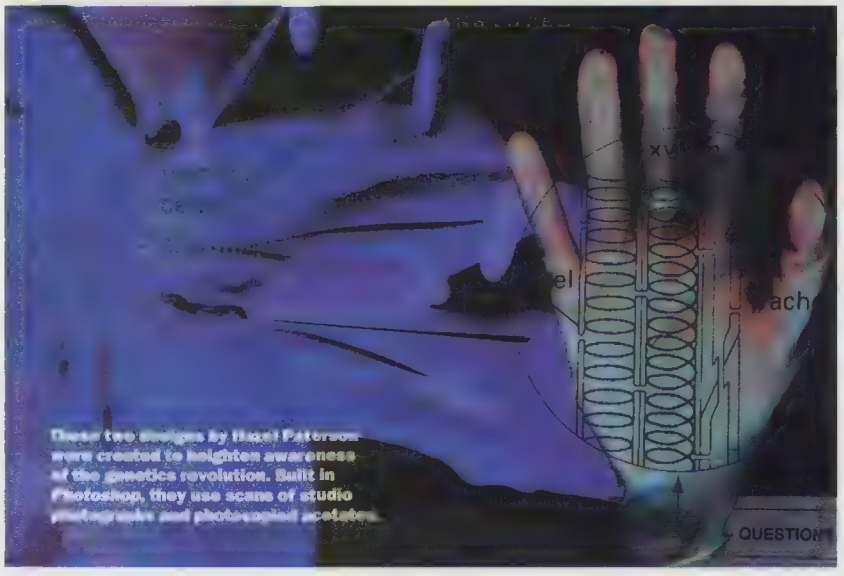
(*left*) A still from Warren Sykes' 'Tri-TV', an imaginary TV ident. It was created using *Photoshop*.

(*above left*) Creative Rush by Paul Hepworth is influenced by Japanese culture and the idea of a sterile silicon future. It was created in *Photoshop*.

(*above*) Paul Hepworth's fictional design for a contemporary fashion magazine called 'Kult' was created with *Photoshop* and *FreeHand 7*.

(*left*) Richard London describes 'Beyond the Obvious' as "creative styling and imagery for portfolio presentation". Again, this was designed using *FreeHand* and *Photoshop*.





These two designs by Hazel Paterson were created to heighten awareness of the genetics revolution. Built in *Photoshop*, they use scans of studio photographs and photocopied acetates.

Joanna Buchan's illustration for a video covers various issues such as bulimia, anorexia and domestic violence. It was created using *Photoshop* as well as studio and outdoor photography.

THE ROBERT GORDON UNIVERSITY

Grays's School of Art offers a multi-disciplinary approach to study and worldwide links.

"The School places a premium on being internationally-minded"

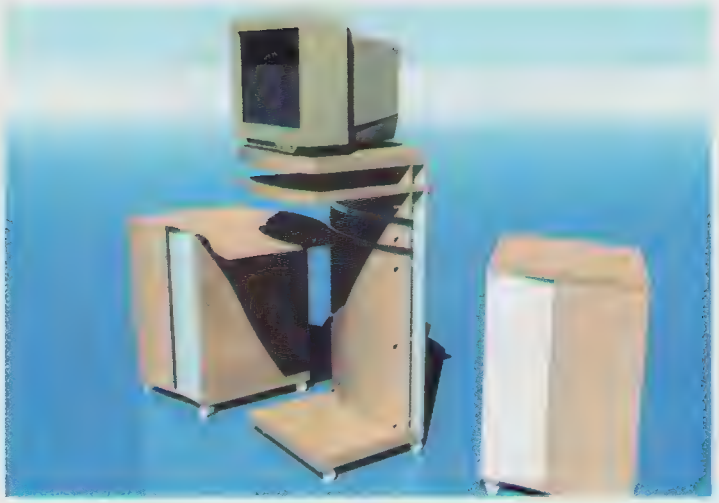
Grays's School of Art, at the Robert Gordon University, Aberdeen, places a substantial emphasis on "being internationally-minded and working at the forefront of new developments in art and design". This international approach is backed up by video conferencing links with sister institutions around the world, which help in "expanding staff and student horizons and stimulating opportunities for collaboration in research". There are also regular international seminars and conferences, and live student projects are sponsored by international companies.

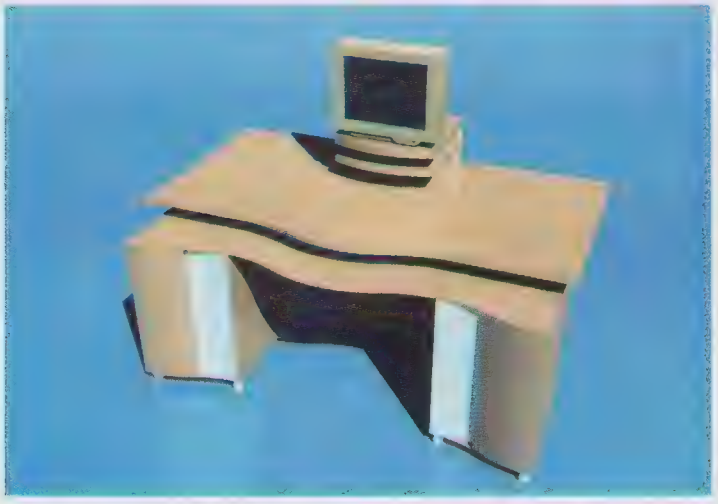
There are three main undergraduate courses offered by the school: BSc (Hons) Design for Industry, BA (Hons) Design & Craft, and BA (Hons) Fine Art. The images reproduced here were produced by students studying the Design & Craft course, and come from either the Visual Communications or Three Dimensional Design disciplines.

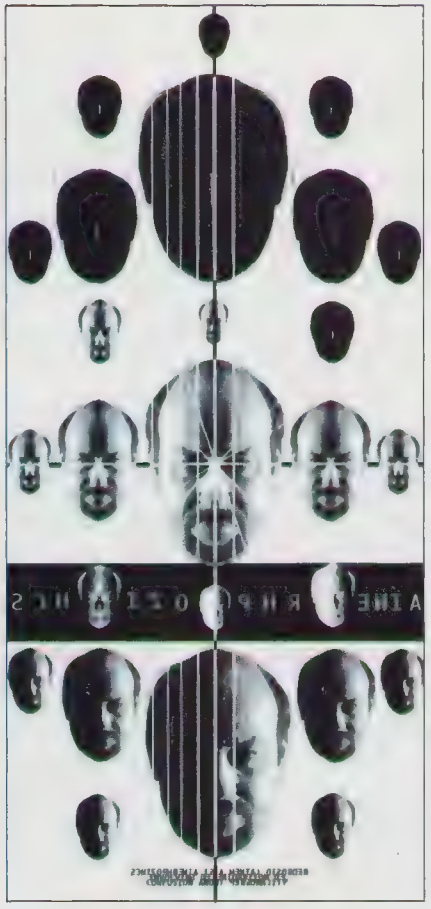
These subjects are "underpinned by common programmes of study in Drawing, Core Studies, CAD, Multi-Disciplinary Design, and the History of Design and Contextual Studies. We hope to engender a holistic knowledge of the inter-relationship of the specialist fields, and develop each student's awareness of their individual creative strengths and career opportunities".

This teaching approach has been designed to reflect the increasingly multi-disciplinary patterns of work in industry, and a future where adaptability may prove to be even more important than specialised skills. ca

The show has already taken place, but images can be seen at the university's Website at W *www.rgu.ac.uk/subj/ats* t *01224 262 000*

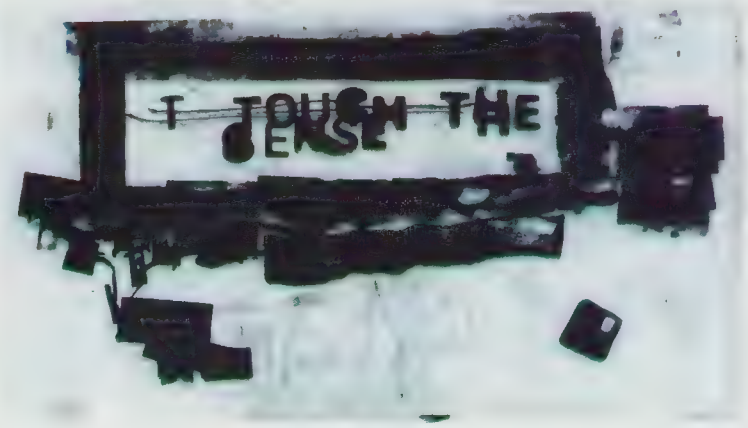






(*far left*) Wayland Standing's 'Davey' is a three-piece office desk. Designed using *Infini-D 4*, it was then constructed at full scale using steel and birch wood.

(*left*) Jorgen Lislebo's poster for awareness of schizophrenia visualises the idea of multiple personalities. It was created in *FreeHand* and *Photoshop*.



(*above*) This image by Sean Wood is based on the theme of sense and touch. It was created by using heated lead typefaces pressed into thermal paper, then scanned into *Photoshop* and manipulated to bring out the texture and details from the paper.

(*left*) Michelle McIntosh's image was an experiment in mixing photographic and digital work for a sketchbook based on the theme of travelling.

Julie Rossiter's spectral images are borne of "three years of study at Salisbury College of Art, and an obsession with the great Surrealists". Julie's special techniques include the use of high-speed infrared film, hand-colouring in *Photoshop* and applying Gaussian blur.

SALISBURY COLLEGE

"Breaking new ground in professional film, TV and photographic education," Salisbury College offers HND and degree courses in Professional Communications...

Salisbury College's principal aim is "to develop individuals to the point where they can successfully enter and contribute to the highly competitive visual communications industry." Three courses are available to prospective candidates, each catering for still photography or film and television production. A two-year HND Design course leads into a third year in which students can choose either to pursue a BA (Hons) in Professional Communications or the British Institute of Professional Photography Qualification Examination (PQE).

The BA (Hons) degree in Professional Communications is "breaking new ground in professional film, TV and photographic education at the highest level". The course was introduced five years ago and is designed specifically to link in with and build on the preceding HND course.

Salisbury College has been running the PQE since 1979, and the course is designed to prepare students thoroughly for work in what is becoming an increasingly competitive industry – it "encourages contact with industry, periods of release and visits from professionals". Furthermore, the course is monitored by the British Institute of Professional Photography.

Students are taught both technique and creativity. "Students now work with the latest digital imaging software, used alongside more traditional techniques for post-production work, and this has increased still further the opportunities for creative solutions to communication challenges."

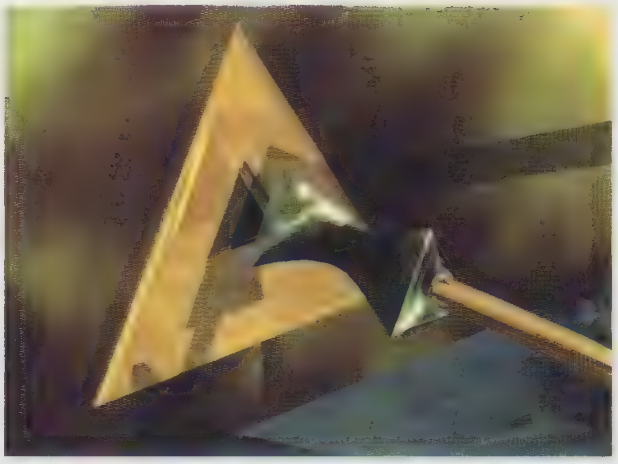
Information *The Association of Photographers Gallery in Domingo St, London, 22-26 June. Salisbury College can be contacted on 01722 323 711*

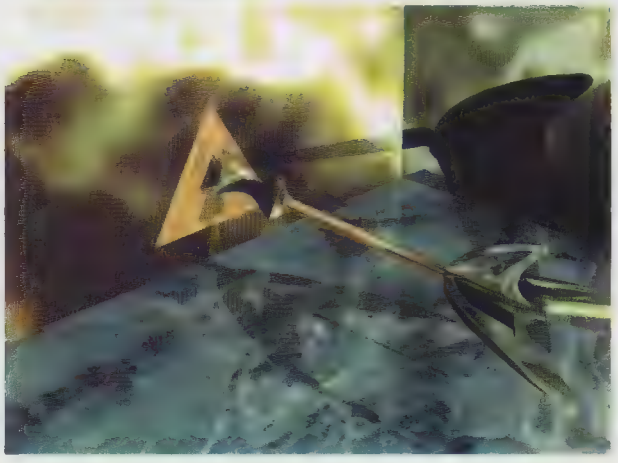
(*left*) This image was the result of a collaboration between Jamie Smalley, who took the original photograph, and Tom Powley, who carried out the manipulation in *Photoshop*. It was influenced by the graphic imagery used in comics.

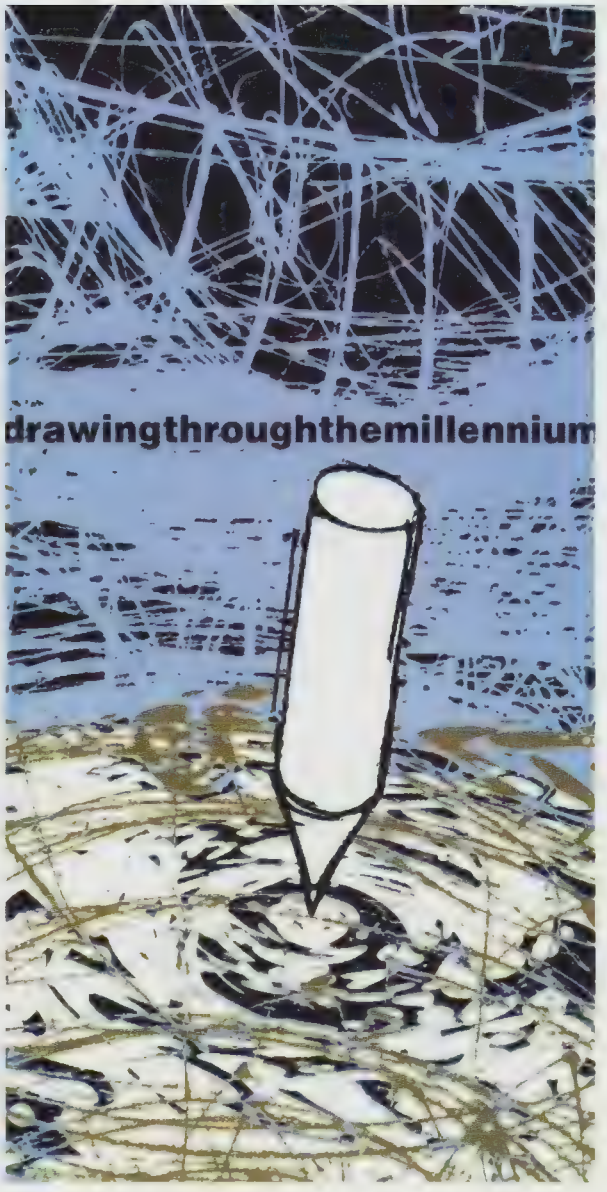
(*below*) James Williamson lit the outside of this shot with flash and then used image-manipulation techniques to create the sense of movement in this demo shot for a new up-and-coming band.

(*above*) A portrait entitled 'Leah' by Ian Bartlett.

(*left*) Pernille Schoedt's image is one of a series of "ethereal images" developed in *Photoshop*.







(*far right, opposite top*) These three images from Nick Deakins' 'Drawing through the Millennium' series are from a self-negotiated project based on the search for personal identity and interpretations of the approaching millennium.

(*right*) These two images by Paul Barker are concept ideas for the design of a new key for the future.

UNIVERSITY OF SUNDERLAND

"The emphasis is always on a creative outcome."

At Sunderland, electronic media are not an end in themselves – creativity is paramount...

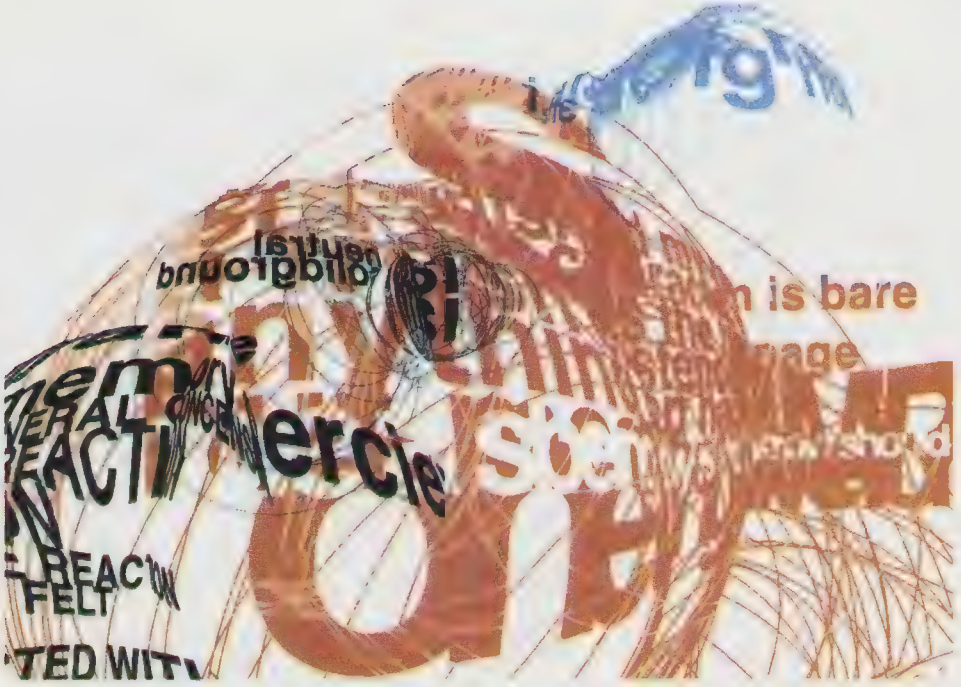
The University of Sunderland's School of Arts, Design and Communications is planning three new degree courses from September 1998. They are BA (Hons) Electronic Media and Design, BA (Hons) Illustration and Design (Information Illustration and Environmental Illustration) and BA (Hons) Model Making and Design. All three will include modules on computer training and teaching.

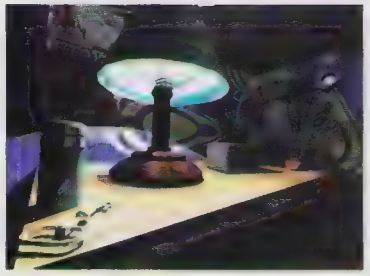
The BA (Hons) Electronic Media and Design degree is based around the principle that electronic media are an important part of the design process, but they are not an end in themselves. "Creativity, lateral thinking and personal expressive style are paramount when the ultimate aim is to communicate ideas and visual information."

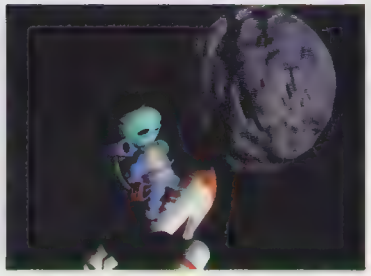
All of the academic staff on this course are professional designers, with skills that include graphic design, typography and calligraphy. They've designed the course to reflect the needs of commercial design studios. "Most of our final-year electronic media design students [who are currently enrolled on a different course within the faculty] have already got jobs lined up before the results are out."

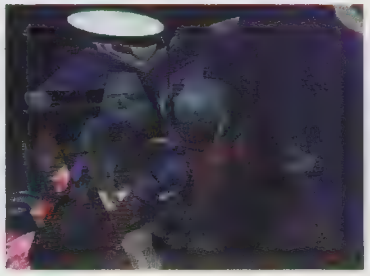
Students learn about DeskTop Publishing and digital drawing, and then move on to the important areas of Web design, interactive multimedia and digital modelling. The course's modular design, though, means that students are able to explore areas outside the core topics. "The emphasis is always on a creative outcome." ca

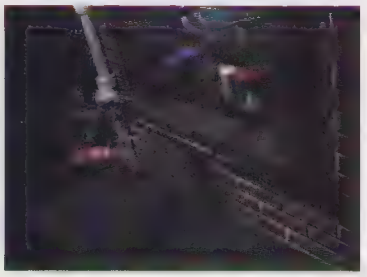
The end-of-year show is open to the general public at Ashburne House, Ryhope Road, Sunderland from 22-26 June, ☎ 0191 515 2000











(*four frames, above*) Chris James' 'Adventures of Spacecat' is a story-board for a children's book. It was inspired by Japanese product design and video games.

(*above*) This image by David Lenderyou is one of a series of visuals created entirely in *Photoshop* showing a title sequence for a BBC2 nature programme.

(*left*) Jordan Smith's 'Digital Head' is an experimental piece created in *Photoshop*.

(*below*) Johanna Kallio's 'Postcard' series was a promotional postcard entry for the Consort Royal Student awards. The images were created using *Photoshop* and *FreeHand*.

James Fletcher's 'Honda Car' is a promotional piece created using *3D Studio* and *Photoshop*

SURREY INSTITUTE OF ART & DESIGN

"We emphasise an enquiring and innovative approach rather than conventional solutions to problems."

Close links with industry, and practical business skills are designed to prepare students for the commercial world...

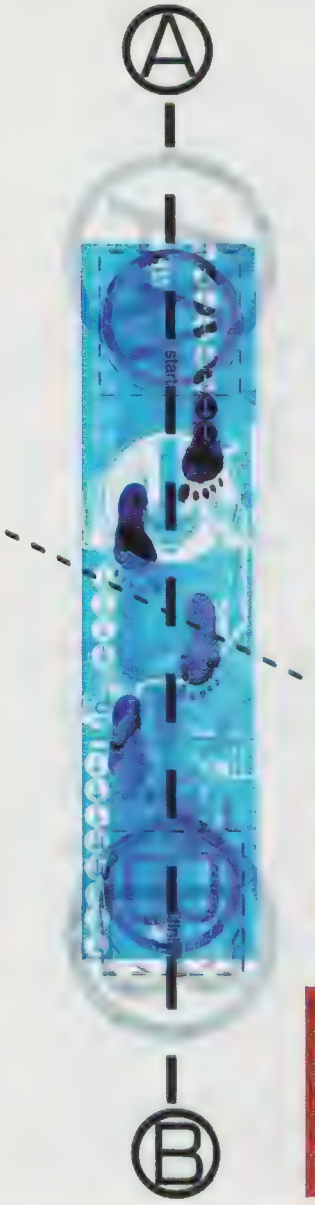
The BA (Hons) Graphic Design course at the Surrey Institute of Art and Design relates the work of its students closely to industrial practice. "Its learning environment is characterised by the promotion of enterprise and working links with industry, commerce and the professions."

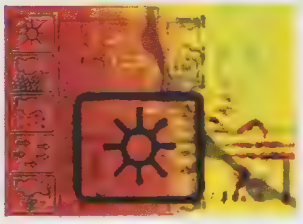
The Graphic Design programme, which is the source of the work reproduced here, covers a wide range of disciplines including typography, animation, advertising and illustration. While all students learn fundamental techniques, they're also encouraged to follow their own creative directions as early as possible. "We emphasise an enquiring and innovative approach rather than conventional solutions. Students see how industry works at first hand through liaison with various leading companies and practitioners."

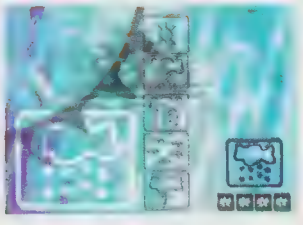
The Graphic Design course is just one of 20 different programmes in art, design, media and communications. The Institute also carries out applied research, "for example with the Design Council and The Royal Society of Arts. It's important to us that our staff are involved in research – both to extend our knowledge of the industries our students enter and to enhance our understanding of professional practice."

Links with industry are important on this course. "In one year more than 446 commercial organisations were involved in the Surrey Institute. Students are exposed to the thinking and experience of industry professionals as programme advisers, sessional tutors and guest lecturers." CA

Information *The show is at Art Connoisseur Gallery, 95-97 Crawford Street, London W1H 1AN, 24-27 June, 10am-6pm (Sat 10am-12am). t 01252 722 441.*

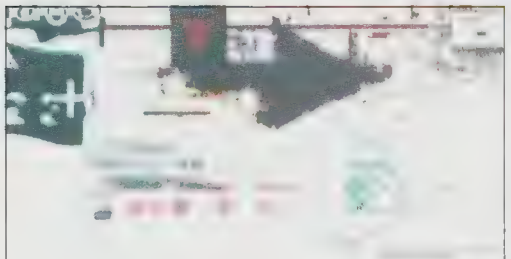






(*above*) Dan Barber's 'Visual Essay' was a Design & Art Direction Publishing Design awards entry.

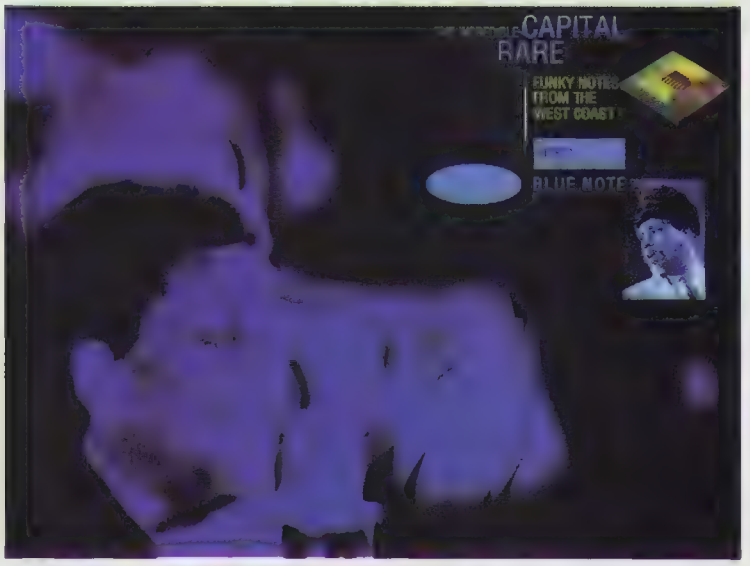
(*left*) Rakesh Mistry's 'Sun', 'Wind' and 'Snow' images were entered for the Postage Stamp section of the Royal Society of Arts awards. They were created in *Photoshop* and *Illustrator*. The 'A to B' image (*far left*) is concept development work.



(*above*) Dan Alexander's 'Urban' image was a Design & Art Direction awards entry for the Calendar section. It was designed in *Photoshop* and *Illustrator*.

(*far left*) Sophie Dickinson's 'Visual Essay' was a nominated entry for the Design & Art Direction awards, Publishing Design section. The images were developed in *Photoshop* and *QuarkXPress*.

(*left*) Douglas Hickmore's 'Hugo Boss' designs were entries for the Design & Art Direction awards in the Steel Packaging section. They were constructed using *3D Studio* and *Photoshop*.



Toby Dalton explains his work: "I decided to pick Blue Note's blue series as a topic for a CD-ROM to give the listener a taste of the music before purchasing further albums. It also provides the opportunity to showcase the individual style of Blue Note cover art, as defined by Reid Miles."

SWANSEA INSTITUTE

"Without communication there is no culture." Swansea Institute offers a hands-on approach aimed at producing students able to compete in a challenging industry...

Swansea Institute's BSc (Hons) Multimedia course is designed very much as a hands-on approach to the subject, teaching both the theoretical and practical skills needed to survive in an extremely competitive industry. Core design and technology material is supplemented by topics including how we perceive the world to the latest hardware and software advances.

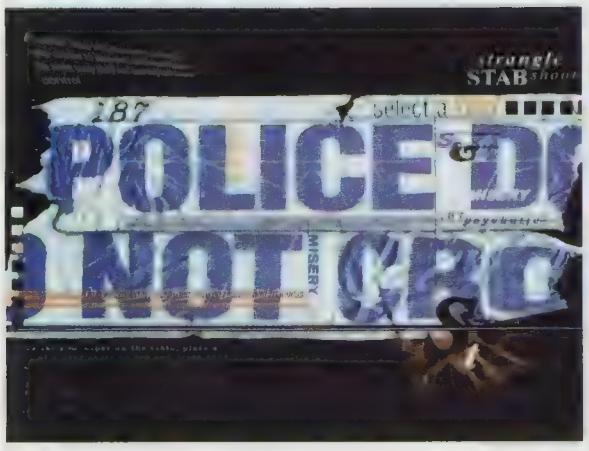
The faculty uses over 60 multimedia PCs, running *Icon Author, Illustrator, Photoshop, Premiere* and *3D Studio MAX.* There's also an audio/visual studio offering digital audio and S-VHS video recording and editing, including a non-linear editing suite. Portable DATs, S-VHS cameras and other equipment is available for location work, and any other hardware and software needed for digital effects and computer-generated animations is accessed for the students.

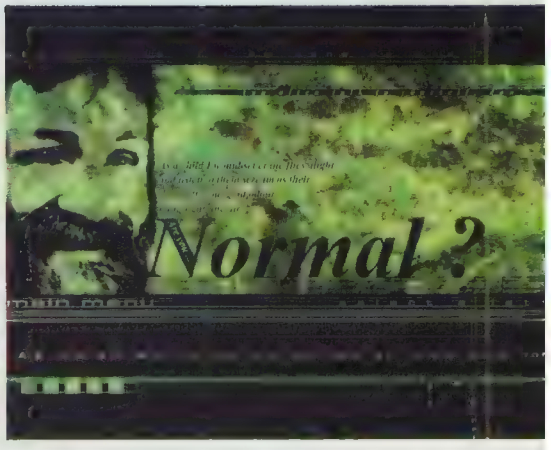
Students from a variety of backgrounds, and with a range of skills, are accommodated, thanks to the course's aim "to unite design with technology". This makes it ideal for students who may have expertise in only one of these areas.

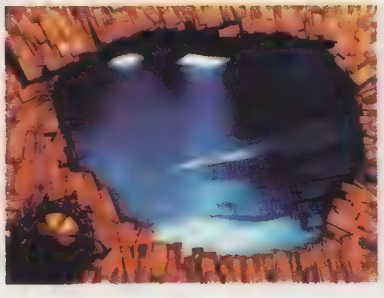
In the final year of their course, students are expected to produce a PC-based interactive multimedia production which incorporates audio, video, animation, photographic stills and hypertext. These can be purely personal projects, or they can be linked to the work of commercial companies. The images shown here are from personal projects undertaken by final-year students on the BSc Multimedia course. CD

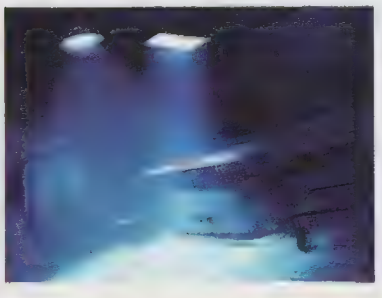
information

This year's student end-of-year degree show can be seen at the Swansea Institute, 13-17 June, t 01792 481 000



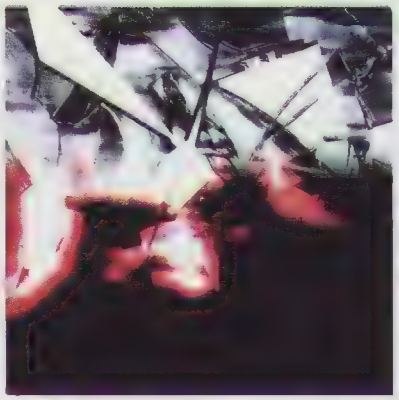


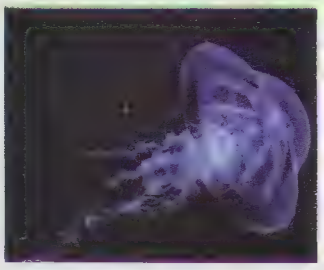


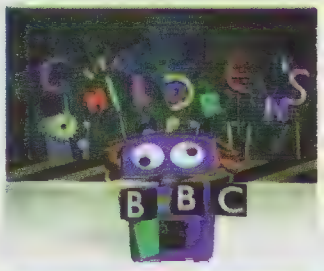


(*six images, above*) Toby Davies' Serial Killer project was born from an interest in home reference/ entertainment. "It gave me an opportunity to try something new with my graphical interface, but a year concentrating on serial killers isn't something I'd like to experience again."

(*left*) Hamish Patterson is obsessed with Horror as a genre. For three years his work has revolved around the subject.







(*right*) Darren Capper's 'panels' are part of a series constructed using a combination of photography, illustration and design techniques. They are intended to portray demonic possession.

(*below right*) Stephen McInerny's 'Digital Creativity' illustration was produced for use in publicity material for the Computer in Arts & Design in Education 99 Conference.

(*far right*) These four stills are from animations by students of the School of Computing & Mathematics CAGTA course. This is now supplemented by two undergraduate degree routes – BSc Visualisation and BA Creative Visualisation – as part of "an evolving and expanding Modular Visualisation Scheme".

(*bottom*) Marvin Mai Wing Wong created this phone kiosk design in response to a brief by ICI.

university of teeside

"Developments in computer graphics have been changing the way people work and communicate ideas and information."

The University of Teeside offers courses in conventional design and the imagery used in multimedia and video games...

The University of Teeside's School of Computing and Mathematics offers an MSc in Computer Aided Graphical Technology Applications, focussing on computer graphics in entertainment, leisure, advertising and films. "The CAGTA course was one of the first in the country to recognise the importance of this area. In its ten years it has established a national and international reputation as a distinctive programme producing graduates with a valuable blend of artistic ability and technical know-how. Ex-CAGTA students are now widely employed in the industry – in television special effects/post-production, modelling and animation, scientific and medical visualisation, games and VR."

The University of Teeside's Institute of Design, which is an entirely separate body, offers a range of courses including Design Marketing, Graphic Design, Industrial Design, Computer Aided Product Design, Interior Architecture and Design, Advanced Digital Design and Industrial Design for Engineers. "Expertise in new digital technologies is now essential for the 'hybrid' designer, along with a solid grounding in traditional design skills and an intimate knowledge of and practical experience in applied IT."

Students on any of the Institute's courses have access to the latest computer technologies, enabling them to work in a variety of fields including VRML, HTML, virtual environment design, computer art and animation, digital imaging and interaction design. ca

Information

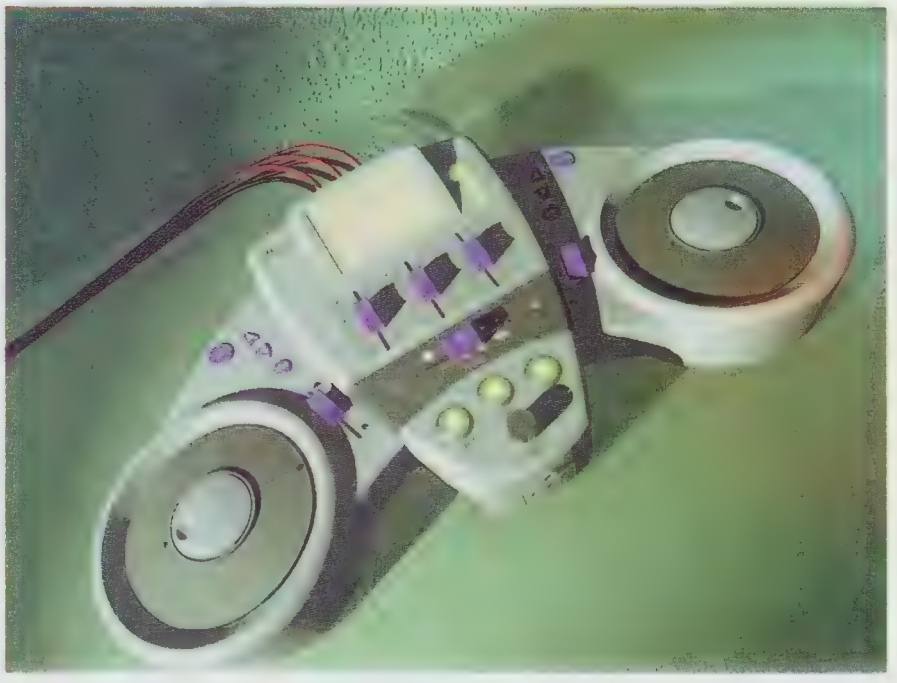
The Institute of Design's Undergraduate Exhibition takes place in the Community Block at the University of Teeside, 16 June and 18-20 June, ☎ 01642 218 121

(*above*) This image of a mountain bike by Mark Hemmingway is a still from an animation to illustrate bike suspension.

(*above left*) Two more stills from the MSc CAGTA course. Students have access to high-end PCs, 20 SGI O2s, a lab of 35 SGI Indys and two SGI Onyx Infinite Reality graphics super-computers.

(*below*) Chris Harrison's 3D design is a digital mixing console for CDs.

(*above and above centre*) Stephen Rose produced these three images as divider pages for the University's prospectus. The images take on a different view of various artefacts found in each section of the University.



SHOWING OFF

As art and design courses throughout the country come to their end, another surge of talent hits the streets, looking for work, notoriety and attention. But where should you go to see and exhibit the best work? The *Computer Arts* 1998 Graduate Showcase end-of-year exhibition listing shows you where – and when – to find the cream of this year's crop...

Anglia Polytechnic University

Department of Graphic Arts and Illustration, Faculty of Arts & Letters, APU, East Rd, Cambridge, CB1 1PT
t 01223 363 271
w www.anglia.ac.uk/hae/gai/gai.htm

29-30th May

BA (Hons) Graphic Arts, Printmaking, Illustration, Photography
The Mall Galleries, the Mall, London
t 0171 930 6844

Bath College of Higher Education

Art & Design School, Sion Hill, Bath, BA1 5SF
t 01225 875 875

20-24th June, 10am-4pm

BA (Hons) Graphic Design
Sion Hill campus

Blackburn College

School of Art & Design, Faculty of Creative Arts, Fielden Street, Blackburn, BB2 1LH
t 01254 55144

17th June-1st June (office hours)

HND Graphic Design
School of Art & Design

Blackpool & Fylde College

Faculty of Visual Communication Studies, BFC, Palatine Rd, Blackpool, FY1 4DW
t 01253 352 352

23rd June-4th July, 10am-5pm

BA Technical Illustration
Grundy Art Gallery, Queen Street, Blackpool

24-25th June, 11am-5.30pm. 26th June, 11am-4.30pm

HND Publishing
Blackpool College, Palatine Rd

3-4th July, 10am-5pm

BA Photography
Rebecca Hossak Gallery, London

Dates TBC

BA Graphic Design
Manchester & London venues TBC

Bolton Institute

Faculty of Arts, Science and Education, Great Moor Street, Bolton, BL1 1NS
t 01204 528 851 / 01204 900 600

The show includes Computers in Design, Computers as a Drawing Tool and Packaging BA Modular degree course content. Bolton Art Gallery, September (date TBC).

Bournemouth & Poole College of Art

Fern Barrow, Wallisdown, Poole, BH12 5HH
t 01202 533 011

2nd-9th July, 9.30am-4.30pm

Graphic Design, Photography and Fine Art
Fern Barrow site

University of Brighton

Faculty of Art, Design & Humanities, Grand Parade, Brighton, BN2 2JY
t 01273 600 900 / 643 012

27th June-2nd July, Monday-Weds 10am-8pm, Sat & Sun 10am-6pm, Thurs 10am-4pm only

Faculty of Art, Design & Humanities, Burt Brill & Cardens Graduate Show 98 "Computer generated imagery is an integrated area within the University of Brighton's Fine Art Printmaking course, being taught alongside more traditional media such as Etching, Lithography, Screenprint and relief. Each year at least two students opt to exhibit totally computer-generated work in their final shows." Sue Gollifer, Senior Tutor in Printmaking.

Buckinghamshire College

Faculty of Design, Buckinghamshire College, Queen Alexandra Road, High Wycombe, HP11 2JZ
t 01494 522 141

27th June-1st July, 10am-8pm. 2nd July, 10am-4pm

BA (Hons) Graphic Design & Advertising
Main High Wycombe campus

Camarthenshire College of Technology & Art

Faculty of Creative & Performing Arts
t 01554 748 000

13th June, 10am-4pm. 15-18th June, 9.30am-7.30pm

Show includes BA Art & Design, HND Design Crafts, Media, Graphics, Industrial Design, Computer Applications
Jobs Well Campus, Camarthen
Other show dates on request

Camberwell College of Arts

School of Graphic & Industrial Design, Peckham Rd, London, SE5 8UF
t 0171 514 6300

21st June, 2-6pm. 23rd-25th June, 10am-8pm

BA Graphic Design, Visual Art, History of Art & Design, MA Printmaking
School of Applied and Graphic Arts

Cambridge Regional College

School of Visual and Creative Arts, CRC, Leah Manning Building, Kings Hedges Road, Cambridge, CB4 2QT
t 01223 418 516 / 01223 418 200

15th-19th June, 10am-5pm

HND/C Visual Communications, Foundation, Diploma & GNVC Intermediate in Art & Design, Diploma in Design Communications
King Hedges Campus

University of Central England

Institute of Art & Design, UCE, Corporation Street, Gosta Green, Birmingham, B4 7DX
t 0121 331 5000

18-20th June, 10am-6pm

Gosta Green campus includes BA Visual Communication, Graphic Design and Fine Art courses. Further exhibition details available on request.

University of Central Lancashire

Dept of Visual Communication & 3D Design, UCL, Victoria Building, Preston, PR1 2HE
t 01772 201 201

1st, 5th, 6th, 8th June, 10am-4pm. 2nd, 3rd, 4th June, 10am-7pm

BA Graphics, 3D, Industrial & Product Design shows, Fine Art, Printmaking, Time-Based Media & Audio-Visual Media
Victoria Building, Hannover Building & Arts Centre (call for details)

Central St Martins College of Art & design

School of Graphic & Industrial Design, 27-29 Long Acre, London, WC2E 9LA
t 0171 514 7000

19th June-2nd July, 11am-7pm (weekdays), 11am-5pm (Sat)

BA (Hons) Graphic Design
Long Acre, Covent Garden

22nd June-7th July, 10am-6pm (Mon-Sat)

BA (Hons) Product Design & Industrial Design
Southampton Rd Site

Chelsea College of Art & Design

Hughon Rd, Fulham, London, SW6 3ES
t 0171 514 7750

30th May-4th June, 10am-7pm (Sat 10-5)

Foundation Fine Art
Bagley's Lane, Fulham

14 June, 10am-5pm. 15-17th, 10am-8pm. 18th, 10am-12pm

BA (Hons) Fine Art
Manresa Rd, Chelsea

25-27th June, 10am-5pm

BA (Hons) Design
Manresa Rd, Chelsea

29th August, 11am-7pm. 30th Aug, 11am-4pm. 1st-2nd September, 11am-7pm

MA Fine Art
Bagley's Lane, Fulham

Cheltenham & Gloucester College of Higher Education

Dept of Design, Pittville Campus, Albert Rd, Cheltenham, GL52 3JG
t 01242 532 210

26th June-2nd July, 10am-5pm

BA (Hons) Professional Media
Pittville Campus

Cleveland CAD

Green Lane, Linthorpe, Middlesbro', TS5 7RJ
t 01642 821 441

11th-17th June

Cleveland College of Art & Design Summer Shows 98
Green Lane Campus, Middlesbrough
01642 821 441
Fleetham Street Campus, Middlesbrough
01642 243 214
Burlam Road Campus, Middlesbrough
01642 821 441
Church Square Campus, Hartlepool
01429 263 211

Coventry University

School of Art & Design, CU, Priory Street, Coventry, CV1 5FB
t 01203 631 313

13-17th June, 10am-5pm

BA (Hons) Graphic Design and Consumer Product Design
Coventry City Football Club, Highfield Rd

Croydon College

School of Art & Design, Fairfield, Croydon, CR9 1DX
t 0181 686 5700

10th June, 10am-6.30pm

BA (Hons) Graphic Design
Exhibition Room, London Graphics Centre, 16-18 Shelton Street, Covent Garden, London WC2 – t 01252 722 441

Cumbria College of Art & Design

Brampton Rd, Carlisle, Cumbria, CA3 9AY
t 01228 400 300

8-15th July, 10am-4pm (except Sun)

HND Design Degree Show includes Graphic Design, Multimedia and Animation

De Montfort University, Leicester

The Gateway, Leicester, LE1 9BH
t 0116 250 6161
w www.dmu.ac.uk/in/design

25th-28th June, 10am-6pm

Design & Manufacture, pt 1, including Multimedia Design and Design Management

25th-28th June, 10am-6pm

Design & Manufacture, pt 2, including Product, Furniture, Industrial and Interior Design shows
The Exhibition Centre, Southgates, off St Nicholas Circle, Leicester

University of Derby

School of Art & Design, UoD, Green Lane, Derby, DE1 1RX
t 01332 622 222

4-10th June, 10am-6pm

Graphic Design & Film Making degree shows at Green Lane Campus
Fine Art and other degree shows at Britannia Mill Site

Dudley College of Technology

Mons Hill Campus, 111 Wrens Hill Rd, Dudley, West Mids, DY1 3SB
t 01384 455 433
w www.dudleycol.ac.uk

11th-17th June, 10am-7.00pm (inc Sunday)

HND Electronic Graphics, HND 3D Design, HND Media
Showing at Merry Hill Shopping Centre, Brierly Hill, Dudley

Dundee University

Perth Rd, Dundee, DD1 4HT
t 01382 223 181

13-20th June

Annual Exhibition, includes numerous Art & Design courses
Art College, Perth Rd

University of East London

Faculty of Design & the Built Environment, UEL, Greengate House, 89 Greengate Street, London, E13 0BG
t 0181 590 7722

13-18th June

BA Visual Communication and other shows.

Edinburgh's Telford College

Faculty of Art & Design, Crewe Toll, Edinburgh, EH4 2NZ
t 0131 332 2491

15-19th June

Advanced Diploma in Graphic Design, HDC/D in Design & Typography for Print, HNC/D in Illustration & Media Design
At Faculty of Art & Design

Falkirk College of Technology

Dept of Communication, Media & Design
t 01324 403 000

15-18th June

HND Graphics, Interior Design, Public Art
Middlefield design Studios, Falkirk College

Falmouth College of Arts

Wood Lane, Falmouth, Cornwall, TR11 4RA
t 01326 211 077

24-27th June

BA Photographic Communication and other courses in department-wide open day.

Glamorgan Centre for Art & Design

Glyntaff Rd, Glyntaff, Pontypridd, Mid Glamorgan, CF37 4AT
t 01443 486 841

18th June, 10.30am

HND Animation
Screening at Capital Odeon, Cardiff
Further screening as part of Cardiff's Vital Animation Festival, for more details, drop into
w www.vital-animation.org

Gwent CHE

Newport School of Art & Design, Gwent College of Higher Education, Caerleon Campus, Newport, Gwent, NP6 1YG
t 01633 432 642

25-27th June

BA (Hons) Design
Caerleon Campus

University of Huddersfield

School of Design & Technology, UoH, Queensgate, Huddersfield, HD1 3DH
t 01484 422 288

29, 30th June, 1st, 2nd July, 10am-4pm

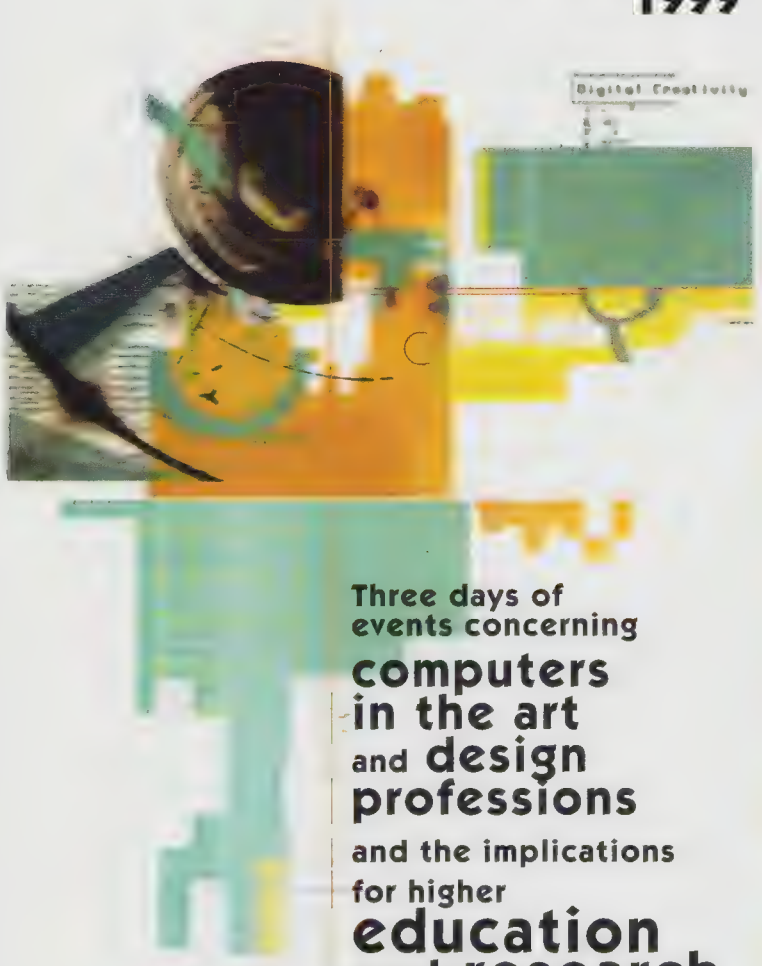
HND Product, Industrial, Interior and Fashion Design courses, Fine Art, Painting & Drawing, and Creative Imaging.

⇨

[CADE 99]

Conference on computers in art & design education

7th to 9th April 1999



Three days of events concerning

computers in the art and design professions

and the implications for higher education and research

Discussions and **exhibitions** with the following themes:

Communicating Imaginings

Spaces and Objects

Time and Motion

Education Futures

Venue: University of Teesside

CADE 99

For more information contact:
Bob Clay, School of Law, Arts & Humanities
(incorporating the Institute of Design)
Tel: 01642 342363 Fax: 01642 342376
e-mail: r.clay@tees.ac.uk www.tees.ac.uk/cade99/

Supported by
Apple Computer

UNIVERSITY OF TEESSIDE
MIDDLESBROUGH TS1 3BA

art show

CA20

BATLEY SCHOOL OF ART & DESIGN

Wheelwright Campus, Birkdale Road, Dewsbury WF13 2AS
Three innovative and creative degree courses offer students opportunities to explore the nature and culture of traditional & divergent digital media, underpinned by academic and practical approaches to their particular subject disciplines.

BA (Hons) Creative Imaging
module options in Advertising and Photography
contact Julie Hilditch, e mail jhilditch@dewsbury.ac.uk ,see UCAS under Huddersfield University BA/CI

BA (Hons) Photography
pathways in Advertising and Editorial Photography
contact Mike Kinsey, e mail mkinsey@dewsbury.ac.uk ,see UCAS under Dewsbury College BA/P

BA (Hons) Moving Image Design
for the Broadcast media
contact Stuart Harman / Warren Sykes,e mail wsykes@dewsbury.ac.uk
see UCAS under Huddersfield University BA/MID

Places are still available for these courses for 1998 entry.

Validation of courses By Huddersfield University

Tel 01924 451649

Dewsbury College

[HNC Digital Media]

***Use the tools that built* TITANIC *& brought aliens to life in* MEN IN BLACK**

Use state of the art **Silicon Graphics**, Pentium & Power Macintosh workstations.

Use the leading Adobe packages, **Alias/Wavefront** Maya, **Commotion** from Puffin Designs, **Avid Matador** & more.

Choose Games Production or Broadcast Post-Production.

We are part of the Sony **Playstation** Net Yaroze programme & an **Alias/Wavefront** Campus Partner.

Contact: Dave Mitchell, Digital Media Programme Tutor or Nikki Hayes at Dundee College, Constitution Campus, 30 Constitution Road, Dundee DD3 6TB

DUNDEE COLLEGE
PROVIDING HIGH QUALITY TRAINING & EDUCATION

Telephone: **(44) 1382 834834** ext: 2254
http://404found.dundeecoll.ac.uk
email: media@dundeecoll.ac.uk

Fax/Email activists needed!

If you would like to use your email account to campaign on behalf of individuals who are in imminent danger, please visit

http://www.amnesty.org.uk/uanet.html

and join Amnesty International's Urgent Action Network

URGENT ACTION AMNESTY INTERNATIONAL

or contact Ray Mitchell & Becky Hess
email: ua@amnesty.org.uk

To **advertise** in Computer Arts

call Alex Richards on 01225 442244
email: alex.richards@futurenet.co.uk

Free design & typesetting service available

SHOWING OFF

University of Humberside

School of Media & Communication, UoH, George Street, Hull, HU1 3BW
t 01482 440 550

6 & 8-12th June, 10am-5pm
Includes BA Fine Art and Graphic Design. Based at Queen's Gardens, with installations at other sites

Kent Institute of Art & Design

Oakwood Park, Maidstone, Kent, MW16 8AG
t 01622 757 286

22nd-26th June, 10am-6pm
BA (Hons) Visual Communication,
ND Graphic design & Illustration
Oakwood Park, Maidstone

20th June, 10am-4pm. 22nd-26th June, 10am-6pm
BA (Hons) Fine Art
New Dover Rd, Canterbury

4-7th July, 10am-5pm. 8th July, 10am-1pm
BA (Hons) Fine Art (Stage 2 Diploma)
New Dover Rd, Canterbury

29th May-5th June, 10am-5pm
National Diploma in Design
Foundation Studies Art & Design
Fort Pitt, Rochester

22nd-25th June, 10am-8pm. 26th June, 10am-5pm
BA (Hons) Three Dimensional Design
BA (Hons) Editorial & Advertising Photography
Fort Pitt, Rochester

Kingston University

Faculty of Design, KU, River House, 53-57 High Street, Kingston-upon-Thames, KT1 1LQ
t 0181 547 2000

17-19th June, 10am-9pm. 20th June, 10am-4pm
Show includes Graphic Design, Art and other courses, at Faculty of Design, Knight's Park.

Leicester South Fields College

St John St, Grafton Place, Leicester, LE1 3WL
t 0116 224 2002

23rd-26 June, 10am-4pm. 27th June, 10am-2pm
Graphic Design
BTEC National Diploma in Photography

20th May-28th June
HND in Photography
Andromeda Campus, Leicester

London College of Music & Media

LCM^2 Thames Valley University, St Mary's Rd, Ealing, London, W5 5RF
t 0181 231 2304

From June
BA Digital Arts
This wide-ranging new course is approaching the end of its first year. This year's show is to be held 'virtually' at W http://elgar.tvu.ac.uk The site with then be regularly updated, so you may want to create a bookmark.

Loughborough CAD

Epinal Way, Loughborough, Leicestershire, LE11 3BT
t 01509 261515

12th June, 10am-8pm. 13-14th June, 10-5
HND Graphic Design
Epinal Way Campus

Lowestoft College

School of Art & Design, St Peter's Street, Lowestoft, Suffolk, NR32 2NB
t 01502 583 521

30th June-4th July, 10am-5pm
HND Graphic Design
The Corn Exchange, Ipswich

Manchester Metropolitan University

Faculty of Art & Design, Grosvenor Building, Cavendish, Manchester, M15 6BR
t 0161 247 1285

13-17th June, 10am-4pm weekdays, 10am-6pm weekends
Show includes BA Fine Art, Interactive Arts, Architecture, Design & Art Direction, Illustration with Animation, Photography & Imaging, Interactive & Broadcast Med.a.

Mid-Cheshire College

Hartford campus, Northwhich, Cheshire, CW8 1LJ
t 01606 74444

15th-19th June
HND Graphics
Design Studios, Hartford Campus

Nene CHE

Faculty of Arts & Social Sciences, NCHE, Avenue Campus, St George's Avenue, Northampton, NN2 6JD
t 01604 735 500

5th June, 10am-4pm
6th June, 10am-3pm
8th June, 10am-6pm
All Art & Design course final-year shows, Avenue Campus

Newcastle College

Faculty of Visual & Performing Arts, Rye Hill Campus, Newcastle-upon-Tyne, NE4 7SA
t 0191 200 4211

9-11th June, 9am-8.30pm
HND Graphic Design, 3D Studies, Interior Design, Advertising, Photography, Time-Based Media and BA Art & Design.

30th June-3rd July, 6-8.30pm

Northbrook College, Sussex

Dept of Visual Art & Design, NCS, Littlehampton Rd, Goring-by-Sea, Worthing, BN12 6NU
t 01903 830 057

4-6th June
HND Graphic Design, Littlehampton Rd

25-27th June
Diploma Design Courses, Littlehampton Rd

19 & 20th June
BA Fine Art, Photography, Media
The Mall Galleries, The Mall, London

University of Northumbria

Faculty of Art & Design, UoN, Squires Building, Sandyord Rd, Newcastle-upon-Tyne, NE1 8ST
t 0191 227 4414

15-18th June, 10am-5pm. 19th June, 10am-1pm.
BA Graphic Design, Squires Building. Details of other degree shows on request.

The Nottingham Trent University

Burton Street, Nottingham, NG1 4BU
t 0115 941 8418

12th-20th June
BA (Hons) Photography, BA (Hons) Photography in Europe
Photography Department, Bonington Building, Dryden St, Nottingham, NG1 4FZ
Following last year's success, graduating students are once again taking to the streets in Nottingham: Satellite is a mini photo festival, featuring in local cafés, galleries and public spaces. "Satellite is unlike any other graduate show. It is a valuable experience for new photographic artists, involves the community and presents new work in an innovative and adventurous way to a wider audience." Call t 0115 941 8418 ext 2210 for more info.

Oxfordshire School of Art & Design

School of Art, Broughton Rd, Banbury, Oxfordshire, OX16 9QA
t 01295 252 221

22nd-25th June, 9am-7pm
BA (Hons) Graphic Design and HND/C Graphic Design
Broughton Rd campus

University of Plymouth

Faculty of Arts & Education, Earl Richards Rd, Exeter, Devon, EX2 6AS
t 01392 475 009 / 01392 475 010

17th June, 29th June-9th July, 10am-4pm
Includes: 3D Product Design, Photography, Typography & Illustration.

University of Portsmouth

School of Art, Design & Media, UoP, Eldon Building, Winston Churchill Avenue, Portsmouth, PO1 2DJ
t 01705 843 835

30th & 31st May, 6th June, 10am-4pm
Art, Design & Media degree courses at Eldon Building. Other shows at John Pound Centre and Purbeck Street site.

Ravensbourne College of Design

Walden Rd, Chistlehurst, Kent, BR7 5SN
t 0181 289 4900

6th June, 11am-6pm. 7th June 11am-10pm
BA Graphic Design, 3D Design
At TS Queen Mary, Victoria Embankment

Reading College and School of Arts & Design

Crescent Rd, Reading, Berkshire, RG1 5RG
t 0118 967 5100

11th June, 6pm Private View
16th-19th June
National Diploma Programme Computer Graphics end-of-year shows

University of Salford

Faculty of Art & Design technology, University of Salford, Centenary Building, Adelphi Campus, Peru Rd, Manchester, M3 6EQ
t 0161 834 6633 / 0161 745 5000

22nd June
BA Product Design & Development
At University, Adelphi Campus

Salisbury College

Southampton Rd, Salisbury, Wilts, SP1 2LW
t 01722 323 711

22nd-26th June
ND Photography
Association of Photography, Domingo Street, London

Sheffield College

Faculty of Visual & Performing Arts, The Workstation, Paternoster Row, Sheffield
t 0114 260 2300

18-25th June, 9am-5pm
HND Design Communications
Norton Campus
(Details of other related shows are available on request.)

Sheffield Hallam University

Cultural Studies, SHU, City Campus, Pond Street, Sheffield, S1 1WB
t 0114 253 2646

2nd-6th June
Design Degree Show, Pond Street site

30th May-4th June
Fine Art Degree Show, Psalter Lane site

St Helens College, School of Arts, Media & Design

Brook St, St Helens, Merseyside, WA11 1PZ
t 01744 623 245

1st–3rd July
HNC in Design (CAAD), HND in Design (CAAD), BTEC Professional Development Awards in Design (CAAD)
St Helen's College, School of Arts, Media and Design, Smith Kline Beecham Building, Water Street, St Helens

Stafford College

Art & Design dept, Earl Street, Stafford, ST16 2QR
t 01785 223 800

27th June, 10am-4pm. 29th June-2nd July, 9am-4pm
Art & Design Department show – includes HND Design (Typography).

Staffordshire University

School of Design & Ceramics, Staffordshire University, College Rd, Stoke-on-Trent, Staffs, ST4 2DE
t 01782 294 000

20th-21st June, 10am-6pm. 22nd-25th June, 10am-8pm
BA Graphic Design, Electronic Media Design
Fine Art area, College Rd Campus

Suffolk College

School of Art & Design, Rope Walk, Ipswich, IP4 1LT
t 01473 255 885

15-20th June
Graphics Exhibition includes BA Art & Design, BA Design Studies
Main campus, Art & Design block

University of Sunderland

Edinburgh Building, Chester Rd, Sunderland, Tyne & Wear, SR1 3SD
t 0191 515 2000 / 0191 515 2089

19th-27th June.12-2pm & 4-6pm
BA Photography, Video, Digital Imaging
Mowbray Villas, Ryhope Rd, Sunderland

The Surrey Institute of Art & Design

Farnham Campus, Falkner Rd, Farnham, Surrey, GU9 7DS
t 01252 722 441

10th-11th July, 10am-5pm
Visual Communication Degree Show 98
Exhibition Room, London Graphics Centre, 16-18 Shelton Street, Covent Garden, London WC2

Swindon College

Faculty of Arts & Sciences, Swindon College, Euclid Street, Swindon, SN1 2JQ
t 01793 498 490

24-28th June, 10am-4pm
BA & HND Graphic Design at Kenbury Park, Apple Walk
(Other show details available on request.)

Truro College

College Rd, Truro, TR1 3XX
t 01872 264 251

15th-19th June
GNVQ Advanced & Intermediate Art & Design

22nd-26th June
Foundation Photography

University of Ulster

Magee College, Northland Rd, Londonderry, BT48 7JL
t 01504 375 396/5

2nd-4th June, 10am-4pm
Dip HE/BA (Hons) Graphic & Product Design
Magee College, Northland Rd

Warwickshire College, Leamington Spa

Leamington College, Warwick New Road, Leamington Spa, Warwickshire, CV32 5JE
t 01926 318 000

22nd-26th June
DIP HE Fine Art

6th-10th July
NDD, GNVQ, Access to Fine Art, Creative Interior Crafts

University of West of England

School of Art, Media & Design, Bower Ashton Campus, Kennel Lodge Rd, Bristol, BS3 2JT
t 0117 966 0222

20th, 21st June, 10am-6pm. 22nd & 23rd June, 10am-8pm
Graphic Design and other degree course shows at Bower Ashton Campus.

West Herts College

Faculty of Visual Communication, WHC, Watford Campus, Hempstead Rd, Watford, WD1 3EZ
t 01923 812 000

17th June, from 6pm
HND & BA Graphic Design, Fine Art and other degree courses show at Watford Campus.

University of Westminster

309 Regent Street, London, W1R 8AL
t 0171 231 2485

23rd-25th June
BA (Hons) Graphic Information Design

West Thames College

Faculty of Art, Design & Media, WTC, London Rd Campus, Isleworth, Middlesex, TW7 4HS
t 0181 568 0244

18th June, 10am-8pm, 19th June, 10am-4pm
HND Industrial Design & related courses

25th June, 10am-8pm, 26th June, 10-4pm
HND Multimedia & related courses
Graphic Design & Advertising course show details on request.

Worcester College of Technology

School of Art & Design, Barbourne Road, Worcester, WR1 1RT
t 01905 725 652

22nd-26th June, 2-8pm
HND Electronic Graphics

University of Wolverhampton

School of Art & Design, 2nd Floor, Molineux St, Wolverhampton, WV1 1SB
t 01902 321 000

21st-27th June, 10am-4pm
BA (Hons) Design Show includes: Electronic Media, Graphic Communication, Illustration, Photography, Printmaking.

Yorkshire Coast College

School of Art & Design, Yorkshire Coast Campus, Westwood Campus, Valley Bridge Parade, Scarborough North Yorks YO11 2PL
t 01723 361 960
W www.ycoastco.ac.uk

18th-24th June, 10am-5pm (weekdays) 10am-3pm (Sat)
HND Graphic Design, Diploma Art & Design. GNVQ Advanced Art & Design with Pathways in Graphics, Fine Art, Photography & 3D
Yorkshire Coast Campus, School of Art & Design. ca

art show

Digital Arts at LCM²

The London College of Music and Media at Thames Valley University is developing a range of programmes across the multimedia field. The Digital Arts pathway offers a unique opportunity to study and develop multimedia techniques from a creative perspective. Students on this pathway learn to appreciate, understand and exploit the potential inherent in multimedia as a medium for creative expression. LCM² supports this by offering access to professional software and facilities. There is continual investment in new equipment and LCM² currently has a range of MAC and NT workstations carrying software from CyberStudio 3 and Dreamweaver to Java, 3D Studio Max, Photoshop 5 as well as SoftImage 3D and DS on Intergraph Machines.

July will see the construction of a virtual gallery exhibiting student work on the LCM² website (http://elgar.tvu.ac.uk)

Other creative technology programmes offered by LCM² are:
BSc in Multimedia Computing
HND in Media Technology

For further information, please contact:
London College of Music and Media
Thames Valley University
St Mary's Road
Ealing
London W5 5RF
Tel: 0181 231 2304
Fax: 0181 231 2546
Web: http://elgar.tvu.ac.uk

LCM² *London College of MUSIC & MEDIA*

Thames Valley University supports mass participation in higher education

Want to learn new skills in new media?

We have full-time and flexible part-time "digitally based" design courses to help you learn **new** skills to work in "the **new** media" for the **new** millennium!

• Computer graphics •
• Web graphics •
• Illustration •
• Media, radio/video •
• Photography •

Call us on (0117) 904 5143 for information and application details

CITY of BRISTOL COLLEGE
Minicom: 0117 9045283
Furthering Education & Training in Bristol

FALMOUTH
College of Arts
Investing in Excellence in Arts, Communication & Design
BA(Hons) 3D Design
BA(Hons) Studio Ceramics
PgDip Creative Advertising
PgDip Online Journalism*
PgDip Professional Writing
For further information please contact Admissions on 235 or 249.
*Subject to validation
Falmouth College of Arts
Woodlane, Falmouth, Cornwall TR11 4RA
Telephone (01326) 211077
A University Sector College

To **advertise** in Computer Arts
call Alex Richards on 01225 442244
email:alex.richards@futurenet.co.uk
Free design / typesetting service available

Advertise your services for free

IN THE CREATIVE DIRECTORY
ADVERTISE YOUR SERVICES IN ILLUSTRATION, GRAPHIC DESIGN, 3D, WEB DESIGN, ETC, ON THE *COMPUTER ARTS* WEBSITE – FOR FREE!

www.computerarts.co.uk

To advertise your services free in The *Computer Arts* Creative Directory, log on to W www.computerarts.co.uk All are entries subject to vetting procedures.

UNIVERSITY COLLEGE OF ST MARTIN

BSc (Hons) Multimedia Production & Applied Imaging Sciences

This exciting course covers all aspects of multimedia production including imaging, sound, video, 3D modelling and animation. The course is full time for three years.

HND to BSc (Hons) Applied Imaging in 1 year

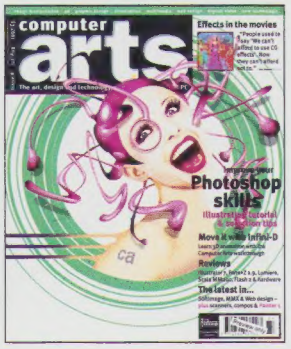
Students who have a relevant HND can enter our one year Applied Imaging degree course. This course covers topics such as research, 3D modelling and animation, and digital photography.

Students on these courses may be eligible for an LEA grant.
For further information contact: Imaging Sciences Dept.
University College of St Martin, Lancaster LA1 3JD
Tel (01524) 384639 e-mail a.rice@ucsm.ac.uk

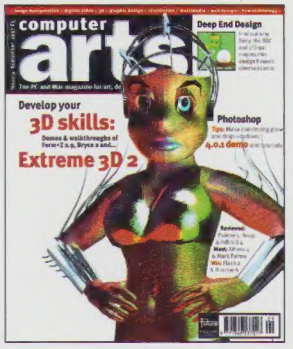
Back issues

New to Computer Arts magazine? Missed previous issues? Get 'em here! To order, complete the card inside issue 20, and in every issue. Each back issue comes complete with dual-format CD-ROM and costs **£6**

Issue seven – SOLD OUT
Try Fax-back service.



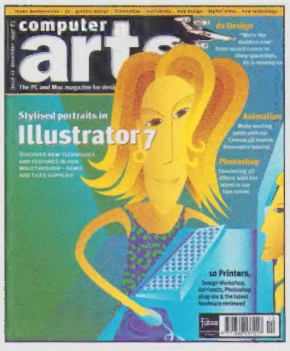
Issue eight – SOLD OUT
Try Fax-back service.



Issue nine – SOLD OUT
Try Fax-back service.

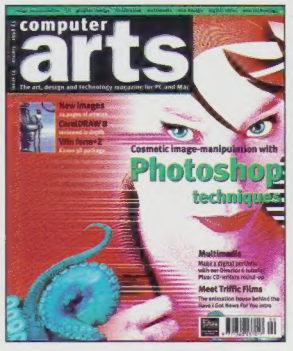
Issue ten – SOLD OUT
Try Fax-back service.

Issue 11 – Code CA011
Try Fax-back service.



Issue 12 – Code CA012
Illustrator 7 and *Photoshop* tutorials
CD – *Illustrator 7* & *Painter 5* demos.

Issue 13 – Code CA013
3D Studio MAX R2 reviewed
CD – Multimedia authoring demos.



Issue 14 – Code CA014
Director and *form•Z* tutorials ▸ **CD** – *PhotoTools 2.0* and *RealiMation* demos.

computer arts
Quadruple your 3D skills
with our combined Artlantis, Poser, Cinema 4D and form•Z tutorial
32 Photoshop plug-ins
Bryce 3D review
Morphing tutorial

Issue 15 – Code CA015
32 *Photoshop* plug-ins reviewed ▸ **CD** – *XPress 4* and *Art•lantis* demos.

Issue 16 – Code CA016
100 *QuarkXPress 4* tips ▸ The Attik ▸ **CD** – *Dreamweaver* & *Cinema 4D XL demos.*

Issue 17 – Code CA017
CorelDRAW tutorial ▸ Rushes profile ▸ *Dreamweaver* tutorial ▸ *Premiere 5* preview ▸ *Piranesi* & ten scanners reviewed ▸ *Photoshop* re-sizing tips.
CD – *CorelDRAW 8* demo for PC ▸ *StrataVision 3D 4* full software (Mac).

Issue 18 – Code CA018
Bryce 3D tutorial ▸ Neville Brody profile ▸ *Fontographer* tutorial ▸ *Photoshop* re-sizing tips ▸ *Corel Ventura 8* & ten 19-inch monitors reviewed.
CD – *Bryce 3D, Dreamweaver, Home Page 3, Fontographer 4* demos.

Issue 19 – Code CA019
FreeHand 8, Bryce 3D and *Photoshop* tutorials ▸ Designers Stylorouge profiled ▸ DVD explained ▸ *Painter 3D* and *Picture Publisher 8* reviewed.
CD – *3D F/X* and *Dazzler 3.1* full software ▸ *FreeHand 8* demo.

How to order back issues:

Detach the card from the magazine (between pages 98 & 99), complete the bottom third marked 'Back issues' and return FREE* to: Computer Arts, Back Issues, Future Publishing Ltd, FREEPOST BS4900, Somerton, Somerset TA11 6BR

Or call the hotline on
01458 271 108
Or via e-mail
subs@futurenet.co.uk
Please quote code: **COASS798**

* Postage free in UK only. Add £1 per issue for European orders. Add £2 per issue for the rest of the world. **Overseas** readers return to: **Computer Arts, Back Issues, Future Publishing Ltd, Cary Court, Somerton, Somerset, TA11 6TB, UK**

Subscribe

and save up to 40%

Unspoiled images for subscribers: you'll receive a limited edition word-free cover every month.

Subscribe now to *Computer Arts*, and save up to an incredible 40% off the normal annual subscription rates – if you pay by direct debit it's just **£36 for a whole year of *Computer Arts***, a huge discount from the normal subscription rate of £60. Alternatively, you can take out this special offer subscription by credit card or cheque and pay just £40, a saving of 33%. Subscribe now to guarantee your special discount.

How to subscribe:

Cut out, complete and return the form below.

Or call the hotline on
01458 271 108
Please quote code: COASS798
Or via e-mail
subs@futurenet.co.uk

Computer Arts subscription order

Personal details (block capitals please)

Title _____ Initials _____ Surname _____

Address _____

_____

_____

Postcode _____

Daytime telephone no _____

Your subscription will start with the next available issue. Offer ends 31st December 1998.

- ☐ (UK) I want to pay by cheque/credit card. Please start my subscription at the special rate of £40
- ☐ (UK) I want to pay by Direct Debit. Please start my subscription at the special rate of £36
- ☐ (Europe inc Eire) Please start my subscription at the special rate of £63.53
- ☐ (Rest of the World) Please start my subscription at the special rate of £86.53

* Overseas prices are for airmail only

UK readers only please return this coupon by freepost to:
COMPUTER ARTS Magazine, Subscriptions, Future Publishing Ltd, Freepost BS4900, Somerton, Somerset, TA11 6BR
Overseas readers please return this coupon (postage payable) to:
COMPUTER ARTS Magazine, Subscriptions, Future Publishing Ltd, Cary Court, Somerton, Somerset, TA11 6TB

Please choose your method of payment

1. ☐ Direct Debit. Please complete and return the form to the right. The full amount of your subscription will be deducted in advance and in one lump sum. (Direct Debit instructions cannot be sent via e-mail, fax or photocopy.)
2. ☐ Cheque (payable to Future Publishing Ltd. Sterling cheques drawn on a UK bank account.)
3. ☐ Visa ☐ Mastercard Expires _____

Card no: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Signature _____ Date _____

☐ Please tick this box if you would prefer not to receive information on other offers

COASS798

Instruction to your Bank or Building Society to pay Direct Debits.

Future Publishing Ltd, Cary Court, Somerton, Somerset, TA11 6BR

DIRECT Debit

Originator's Identification Number
9 3 0 7 6 3
Please send this form to address shown

1. Name and full postal address of your Bank or Building Society branch

To: The Manager

_____ Bank/Building Society

Address _____

_____ Postcode _____

2. Name(s) of account holder(s)

3. Branch sort code (from the top right hand corner of your cheque) ☐☐☐☐☐☐

4. Bank or Building Society account number ☐☐☐☐☐☐☐☐

5. Instruction to your Bank or Building Society

Please pay Future Publishing Direct Debits from the account detailed on this Instruction subject to the safeguards assured by the Direct Debit Guarantee. I understand that this instruction may remain with Future Publishing and if so, details will be passed electronically to my bank or building society.

Signature(s) _____ Date _____

Ref No (Office use only) _____

Banks and Building Societies may not accept Direct Debit Instructions for some types of account.

The Direct Debit Guarantee (copy/retain for reference)

- This Guarantee is offered by all Banks and Building Societies that take part in the Direct Debit Scheme. The efficiency and security of the Scheme is monitored and protected by your own Bank or Building Society.
- We will debit your account with the full amount as soon as your instruction has been processed. Thereafter we will debit your account at the time of renewal.
- If the amounts to be paid or the payment dates change, Future Publishing will notify you of this in advance by at least 14 days as agreed.
- If an error is made by Future Publishing or your Bank/Building Society, you are guaranteed a full and immediate refund from your branch of the amount paid.
- You can cancel a Direct Debit at any time, by writing to your Bank or Building Society. Please also send a copy of your letter to us.

FULL AMOUNT WILL BE DEDUCTED IN ADVANCE AND IN ONE LUMP SUM.